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CANADIAN PACIFIC TRAIN DERAILMENT
MEDONTE TOWNSHIP
SIMCOE COUNTY

February 28 – March 9, 1982

ARB-ARSP Report No. 25-82

COMPILATION OF TIME AVERAGED
ON-SITE
METEOROLOGICAL DATA

June 1982

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Ministry
of the
Environment

The Honourable
Keith C. Norton, Q.C.,
Minister

Gérard J. M. Raymond
Deputy Minister

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CANON
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Air Resources Branch
Atmospheric Research and Special Programs Section
Monitoring and Instrumentation Development Unit

ARB-ARSP Report No. 25-82

CANADIAN PACIFIC TRAIN DERAILMENT
MEDONTE TOWNSHIP - SIMCOE COUNTY
February 28 - March 9, 1982

Compilation of Time Averaged
On-Site
Meteorological Data

Ontario Ministry of the Environment
880 Bay Street
Toronto, Ontario
M5S 1Z8

June 1982

INTRODUCTION

On February 28, 1982 a Canadian Pacific Railway freight train became derailed in Medonte Township, Simcoe County. One of the derailed cars contained 39 tons of anhydrous hydrogen fluoride, presenting a potential health hazard. As a result, the Mobile Air Monitoring Units (MAMU) of the Air Resources Branch were dispatched to the scene to monitor air quality and meteorological conditions. The episode lasted from February 28, 1982 to March 9, 1982.

During this period meteorological data were collected at the junction of Highway 400 and Medonte Concession #6 (approximately 1.5 km north-northwest of the derailment site) and at the Ministry of Transportation and Communications yard near Hillsdale (approximately 8.5 km southwest of the derailment site). The map on page 2 shows the details of these locations.

This Report contains computer printouts of the wind speed, wind direction, barometric pressure and temperature data collected at these two sites. Vertical wind and temperature information are reported in the section dealing with the minisonde balloon releases. Thirteen minisonde releases were carried out over the 9 day period.

Twenty-two monitoring periods and 6 calibration periods comprised this survey and approximately 143 hours of data were acquired. All statistical values, pertaining to the regular meteorological monitored data, are based on a 60 second scan time, which is the interval for averaging the sequential interrogations of the meteorological instruments. Ten minute running averages of this data are computed and are reported in 5 minute intervals. The 10 minute averages were compiled and are presented herein. In addition, the upper air soundings are presented and constitute the second part of this report.

During the ongoing emergency situation, these meteorological data were utilized in the prediction exercises as to how and where potential emissions would be dispersed.

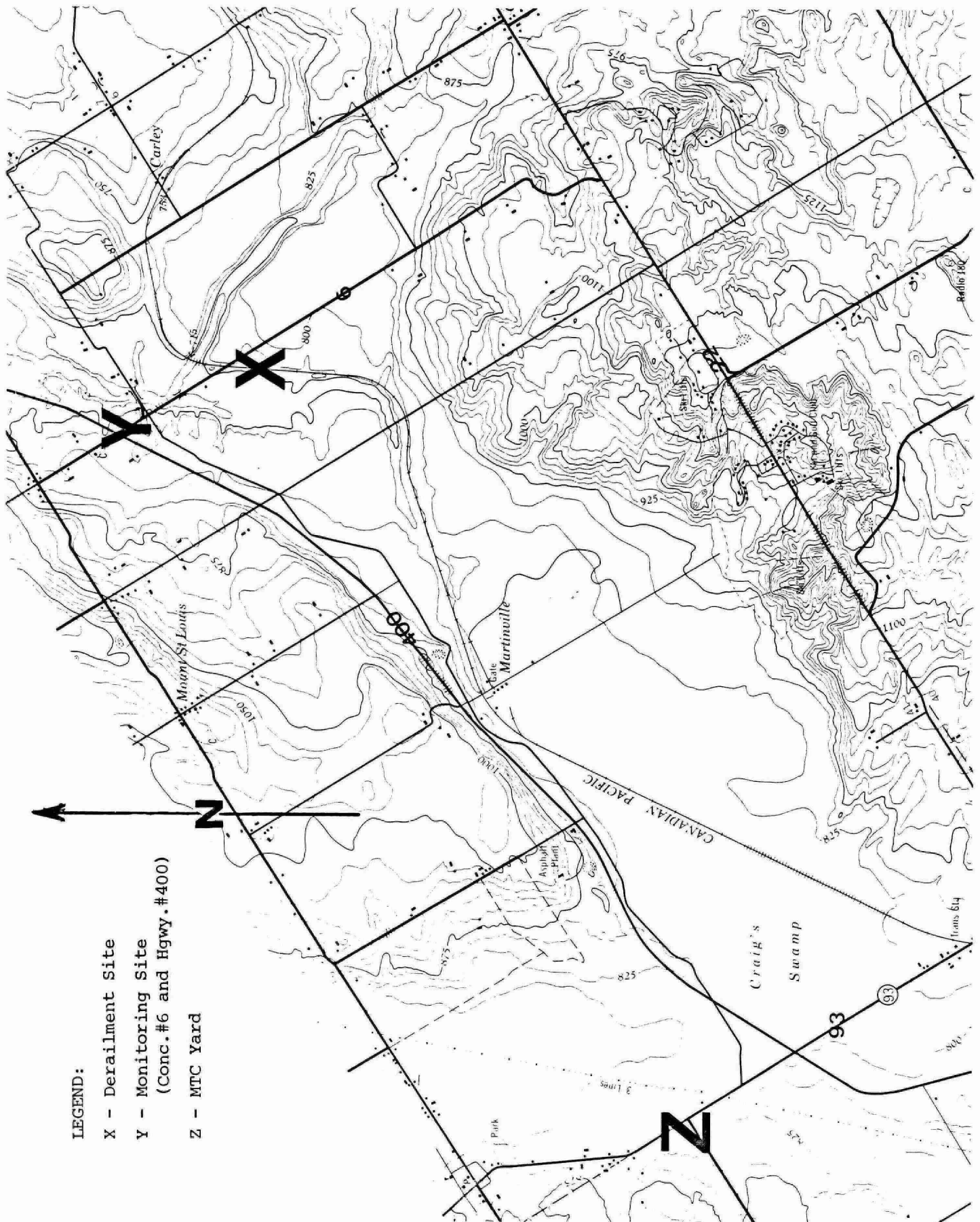
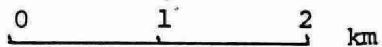
CANADIAN PACIFIC TRAIN DERAILMENT

Medonte Township - Simcoe County

February 28 - March 9, 1982

Scale 1:50,000

Distance



LEGEND:

- X - Derailment Site
- Y - Monitoring Site
(Conc. #6 and Hwy. #400)
- Z - MTC Yard

BARRIE_DERAIl : 2803

Start: 82/02/28 17:20 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
17:20-17:30	-5.1	1018.9	1.	98.
17:25-17:35	-5.0	1018.9	1.	151.
17:30-17:40	-4.9	1018.9	1.	153.
17:35-17:45	-5.2	1018.9	1.	144.
17:40-17:50	-5.4	1018.9	1.	140.

BARRIE_DERAIL : 2803

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-5.1	1018.9	-	-
Std. Dev.	.2	.0	-	-
Min Reading	-5.4	1018.8	.0	85.4
Max Reading	-4.7	1019.0	3.7	165.9
Min Average	-5.4	1018.9	.6	98.5
Max Average	-4.9	1018.9	1.3	152.6
# Valid Rdgs	30.	30.	30.	30.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 2804

Start: 82/02/28 18:21 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
18:21-18:31	-8.3	1018.9	0.	76.
18:26-18:36	-9.0	1018.9	0.	22.
18:31-18:41	-9.4	1018.9	0.	4.
18:36-18:46	-9.5	1018.9	0.	25.
18:41-18:51	-9.9	1018.9	0.	24.
18:46-18:56	-10.2	1018.9	0.	9.
18:51-19:01	-9.9	1018.9	0.	332.
18:56-19:06	-9.6	1018.9	0.	330.
19:01-19:11	-10.0	1018.9	0.	360.
19:06-19:16	-10.3	1018.8	0.	3.
19:11-19:21	-10.2	1018.9	0.	315.
19:16-19:26	-10.0	1018.8	0.	287.
19:21-19:31	-10.0	1018.7	0.	195.
19:26-19:36	-9.7	1018.7	0.	188.
19:31-19:41	-9.2	1018.6	0.	190.
19:36-19:46	-9.4	1018.5	0.	209.
19:41-19:51	-9.8	1018.4	0.	200.
19:46-19:56	-10.3	1018.2	0.	189.
19:51-20:01	-10.5	1018.2	0.	200.
19:56-20:06	-10.4	1018.2	0.	231.
20:01-20:11	-10.3	1018.2	0.	240.
20:06-20:16	-10.3	1018.1	0.	253.
20:11-20:21	-10.4	1018.0	0.	271.
20:16-20:26	-10.6	1018.0	0.	281.
20:21-20:31	-10.6	1017.9	0.	281.
20:26-20:36	-10.5	1017.9	0.	274.

BARRIE_DERAIL : 2804

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-9.9	1018.5	-	-
Std. Dev.	.7	.4	-	-
Min Reading	-11.3	1017.9	.0	10.6
Max Reading	-7.4	1019.0	.9	357.6
Min Average	-10.6	1017.9	.0	3.2
Max Average	-8.3	1018.9	.3	359.7
# Valid Rdgs	138.	138.	138.	138.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 2805

Start: 82/02/28 21:29 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
21:29-21:39	-8.1	1015.7	4.	177.
21:34-21:44	-8.0	1015.6	4.	181.
21:39-21:49	-8.4	1014.8	4.	180.
21:44-21:54	-8.2	1014.8	4.	181.
21:49-21:59	-7.7	1015.2	5.	181.
21:54-22:04	-7.7	1015.0	5.	180.
21:59-22:09	-7.8	1014.9	5.	178.
22:04-22:14	-7.9	1014.8	6.	174.
22:09-22:19	-7.9	1014.7	5.	174.
22:14-22:24	-7.9	1014.7	4.	181.
22:19-22:29	-8.0	1014.6	4.	181.
22:24-22:34	-8.0	1014.6	4.	180.
22:29-22:39	-8.0	1014.4	4.	184.
22:34-22:44	-8.0	1014.2	5.	181.
22:39-22:49	-7.9	1014.0	5.	174.
22:44-22:54	-7.9	1013.9	5.	172.
22:49-22:59	-7.9	1013.8	5.	171.
22:54-23:04	-7.8	1013.7	5.	167.
22:59-23:09	-7.7	1013.4	7.	166.
23:04-23:14	-7.8	1013.2	7.	164.
23:09-23:19	-8.0	1013.1	7.	159.
23:14-23:24	-8.1	1013.1	7.	158.
23:19-23:29	-8.3	1013.0	7.	161.
23:24-23:34	-8.3	1013.0	6.	168.
23:29-23:39	-8.2	1013.1	6.	177.
23:34-23:44	-8.1	1013.1	7.	174.
23:39-23:49	-8.0	1013.1	7.	168.
23:44-23:54	-7.9	1013.0	7.	163.
23:49-23:59	-7.9	1012.9	7.	161.
23:54-00:04	-7.8	1012.9	6.	166.
23:59-00:09	-7.6	1012.9	5.	172.
82/03/01				
00:04-00:14	-7.3	1012.9	6.	173.
00:09-00:19	-7.1	1012.9	6.	171.
00:14-00:24	-7.1	1012.8	8.	174.
00:19-00:29	-7.1	1012.9	8.	175.
00:24-00:34	-7.1	1012.8	9.	174.
00:29-00:39	-7.0	1012.6	9.	174.
00:34-00:44	-7.0	1012.4	8.	170.
00:39-00:49	-7.1	1012.1	9.	161.
00:44-00:54	-7.2	1012.1	10.	157.
00:49-00:59	-7.2	1012.0	11.	156.
00:54-01:04	-7.1	1011.9	11.	156.
00:59-01:09	-7.2	1011.8	10.	156.
01:04-01:14	-7.4	1011.6	9.	160.
01:09-01:19	-7.3	1011.4	10.	160.
01:14-01:24	-7.2	1011.2	11.	162.
01:19-01:29	-7.2	1011.1	10.	163.
01:24-01:34	-7.1	1011.0	10.	161.
01:29-01:39	-7.1	1010.9	9.	168.
01:34-01:44	-7.1	1010.8	8.	167.

BARRIE_DERAIL : 2805

Time	Temp	Barom	Wind-Spd	Wind-Dir
01:39-01:49	-7.2	1010.8	8.	162.
01:44-01:54	-7.3	1010.8	9.	157.
01:49-01:59	-7.4	1010.7	8.	158.
01:54-02:04	-7.3	1010.7	7.	169.
01:59-02:09	-7.1	1010.6	6.	173.
02:04-02:14	-7.1	1010.4	7.	169.
02:09-02:19	-7.0	1010.3	10.	171.
02:14-02:24	-7.0	1010.2	10.	170.
02:19-02:29	-7.0	1010.1	8.	162.
02:24-02:34	-7.0	1010.0	7.	163.
02:29-02:39	-7.1	1009.9	10.	163.
02:34-02:44	-7.0	1009.8	10.	164.
02:39-02:49	-7.0	1009.6	8.	169.
02:44-02:54	-7.1	1009.4	8.	170.
02:49-02:59	-7.3	1009.3	10.	163.
02:54-03:04	-7.4	1009.1	11.	157.
02:59-03:09	-7.5	1009.0	8.	157.
03:04-03:14	-7.6	1008.9	8.	154.
03:09-03:19	-7.7	1008.9	8.	150.
03:14-03:24	-7.6	1008.8	7.	152.
03:19-03:29	-7.6	1008.6	9.	156.
03:24-03:34	-7.6	1008.4	8.	159.
03:29-03:39	-7.5	1008.3	6.	155.
03:34-03:44	-7.5	1008.2	8.	150.
03:39-03:49	-7.5	1008.1	9.	149.
03:44-03:54	-7.4	1008.1	8.	158.
03:49-03:59	-7.2	1008.1	9.	162.
03:54-04:04	-7.1	1008.1	9.	161.
03:59-04:09	-7.2	1008.0	10.	159.
04:04-04:14	-7.3	1007.9	9.	159.
04:09-04:19	-7.3	1007.9	6.	167.
04:14-04:24	-7.2	1008.0	5.	176.
04:19-04:29	-7.2	1008.1	5.	171.
04:24-04:34	-7.2	1008.1	5.	163.
04:29-04:39	-7.3	1008.0	2.	163.
04:34-04:44	-7.4	1007.9	4.	150.
04:39-04:49	-7.5	1007.6	6.	148.
04:44-04:54	-7.5	1007.4	9.	143.
04:49-04:59	-7.6	1007.1	10.	142.
04:54-05:04	-7.6	1007.1	6.	151.
04:59-05:09	-7.4	1007.0	6.	159.
05:04-05:14	-7.4	1006.9	8.	154.
05:09-05:19	-7.4	1006.8	9.	151.
05:14-05:24	-7.5	1006.7	10.	152.
05:19-05:29	-7.6	1006.6	9.	153.
05:24-05:34	-7.6	1006.5	6.	153.
05:29-05:39	-7.5	1006.3	6.	156.
05:34-05:44	-7.5	1006.1	8.	151.
05:39-05:49	-7.6	1006.0	10.	150.
05:44-05:54	-7.7	1005.9	11.	153.
05:49-05:59	-7.7	1005.6	11.	153.
05:54-06:04	-7.5	1005.3	11.	155.
05:59-06:09	-7.6	1005.2	9.	156.
06:04-06:14	-7.7	1005.1	8.	153.
06:09-06:19	-7.5	1005.1	6.	154.

BARRIE_DERAIL : 2805

Time	Temp	Barom	Wind-Spd	Wind-Dir
06:14-06:24	-7.5	1005.2	3.	169.
06:19-06:29	-7.4	1005.2	5.	160.
06:24-06:34	-7.4	1005.0	9.	146.
06:29-06:39	-7.5	1004.6	8.	142.
06:34-06:44	-7.5	1004.3	6.	143.
06:39-06:49	-7.6	1004.1	6.	147.
06:44-06:54	-7.5	1004.1	6.	159.
06:49-06:59	-7.3	1004.0	8.	161.
06:54-07:04	-7.3	1004.1	7.	162.
06:59-07:09	-7.3	1004.1	4.	173.
07:04-07:14	-7.3	1004.1	4.	193.
07:09-07:19	-7.4	1004.2	4.	205.
07:14-07:24	-7.3	1004.1	3.	190.
07:19-07:29	-7.3	1003.9	3.	175.
07:24-07:34	-7.3	1003.8	4.	163.
07:29-07:39	-7.4	1003.5	3.	149.
07:34-07:44	-7.5	1003.2	4.	156.
07:39-07:49	-7.4	1003.1	4.	163.
07:44-07:54	-7.4	1003.1	5.	163.
07:49-07:59	-7.4	1003.1	5.	171.
07:54-08:04	-7.4	1002.9	4.	172.
07:59-08:09	-7.2	1002.8	4.	165.
08:04-08:14	-7.1	1002.7	4.	168.
08:09-08:19	-7.1	1002.6	5.	163.
08:14-08:24	-7.4	1002.5	8.	164.
08:19-08:29	-7.7	1002.3	7.	167.
08:24-08:34	-7.7	1002.1	7.	159.
08:29-08:39	-7.4	1001.9	7.	159.
08:34-08:44	-6.9	1001.8	5.	155.
08:39-08:49	-6.7	1001.7	6.	154.
08:44-08:54	-6.4	1001.7	8.	162.
08:49-08:59	-6.3	1001.5	9.	163.
08:54-09:04	-6.3	1001.4	8.	164.
08:59-09:09	-6.1	1001.2	8.	173.
09:04-09:14	-5.6	1001.1	7.	183.
09:09-09:19	-5.3	1000.9	7.	182.

BARRIE_DERAIL : 2805

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-7.4	1008.6	-	-
Std. Dev.	.5	4.2	-	-
Min Reading	-11.8	1000.7	.4	127.1
Max Reading	-5.2	1015.9	20.0	222.7
Min Average	-8.4	1000.9	2.3	141.5
Max Average	-5.3	1015.7	11.5	204.5
# Valid Rdgs	710.	710.	710.	710.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERRAIL : 0101

Start: 82/03/01 13:47 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: THIS IS FIRST CALIB AT SITE

Time	Temp	Barom	Wind-Spd	Wind-Dir
------	------	-------	----------	----------

BARRIE_DERAIL : 0101

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-.3	994.5	-	-
Std. Dev.	.0	.1	-	-
Min Reading	-.3	994.4	10.5	179.3
Max Reading	-.3	994.6	10.6	187.2
# Valid Rdgs	2.	2.	2.	2.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0102

Start: 82/03/01 20:23 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
20:23-20:33	-4.6	997.0	22.	311.
20:28-20:38	-4.6	997.0	22.	311.
20:33-20:43	-4.7	997.1	20.	309.
20:38-20:48	-4.7	997.0	21.	308.
20:43-20:53	-4.6	997.0	18.	309.
20:48-20:58	-4.5	997.0	17.	308.
20:53-21:03	-4.4	997.1	18.	309.
20:58-21:08	-4.4	997.1	16.	311.
21:03-21:13	-4.4	997.1	17.	312.
21:08-21:18	-4.3	997.1	19.	315.
21:13-21:23	-4.4	997.1	22.	316.
21:18-21:28	-4.5	997.1	27.	317.
21:23-21:33	-4.5	997.1	26.	318.
21:28-21:38	-4.5	997.1	23.	314.
21:33-21:43	-4.6	997.1	21.	311.
21:38-21:48	-4.7	997.1	20.	313.
21:43-21:53	-4.7	997.2	20.	314.
21:48-21:58	-4.7	997.2	21.	310.
21:53-22:03	-4.7	997.2	21.	309.
21:58-22:08	-4.6	997.3	20.	311.
22:03-22:13	-4.4	997.3	21.	312.
22:08-22:18	-4.4	997.4	23.	312.
22:13-22:23	-4.4	997.4	25.	315.
22:18-22:28	-4.4	997.3	28.	315.
22:23-22:33	-4.5	997.3	30.	317.
22:28-22:38	-4.5	997.3	30.	320.
22:33-22:43	-4.5	997.3	28.	319.
22:38-22:48	-4.7	997.3	29.	318.
22:43-22:53	-4.7	997.2	27.	316.
22:48-22:58	-4.8	997.3	25.	314.
22:53-23:03	-4.8	997.3	23.	313.
22:58-23:08	-4.8	997.3	23.	312.
23:03-23:13	-4.8	997.4	23.	311.
23:08-23:18	-4.8	997.5	23.	311.
23:13-23:23	-4.9	997.5	24.	310.
23:18-23:28	-4.9	997.5	23.	307.
23:23-23:33	-5.0	997.5	22.	305.
23:28-23:38	-5.2	997.3	18.	303.
23:33-23:43	-5.2	997.3	19.	305.
23:38-23:48	-5.4	997.2	19.	309.
23:43-23:53	-5.5	997.2	17.	311.
23:48-23:58	-5.6	997.1	16.	310.
23:53-00:03	-5.6	997.1	16.	308.
23:58-00:08	-5.6	997.0	17.	309.
82/03/02				
00:03-00:13	-5.5	997.0	18.	308.
00:08-00:18	-5.3	997.0	19.	308.
00:13-00:23	-5.3	997.0	20.	310.
00:18-00:28	-5.3	997.0	23.	310.
00:23-00:33	-5.3	997.0	25.	310.
00:28-00:38	-5.4	997.0	26.	313.

BARRIE_DERAIL : 0102

Time	Temp	Barom	Wind-Spd	Wind-Dir
00:33-00:43	-5.5	996.9	28.	316.

BARRIE_DERAIL : 0102

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-4.8	997.2	-	-
Std. Dev.	.4	.2	-	-
Min Reading	-5.7	996.9	11.8	298.2
Max Reading	-4.3	997.6	33.9	324.7
Min Average	-5.6	996.9	15.8	303.0
Max Average	-4.3	997.5	30.0	320.3
# Valid Rdgs	261.	261.	261.	261.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0103

Start: 82/03/02 00:47 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
00:47-00:57	-5.6	997.1	22.	315.
00:52-01:02	-5.6	997.1	18.	315.
00:57-01:07	-5.7	997.1	14.	315.
01:02-01:12	-5.8	997.1	11.	313.
01:07-01:17	-5.9	997.1	9.	312.
01:12-01:22	-5.9	997.1	10.	309.
01:17-01:27	-5.9	997.1	12.	307.
01:22-01:32	-5.9	997.1	11.	309.
01:27-01:37	-5.8	997.1	13.	313.
01:32-01:42	-5.7	997.1	15.	313.
01:37-01:47	-5.6	997.1	16.	312.
01:42-01:52	-5.6	997.1	16.	311.
01:47-01:57	-5.6	997.1	17.	315.
01:52-02:02	-5.7	997.1	19.	318.
01:57-02:07	-5.7	997.1	20.	318.
02:02-02:12	-5.7	997.1	22.	320.
02:07-02:17	-5.7	997.1	24.	320.
02:12-02:22	-5.7	997.1	23.	321.
02:17-02:27	-5.7	997.1	21.	322.
02:22-02:32	-5.7	997.1	21.	320.
02:27-02:37	-5.7	997.1	20.	319.
02:32-02:42	-5.8	997.2	19.	321.
02:37-02:47	-5.7	997.2	19.	324.
02:42-02:52	-5.7	997.2	19.	329.
02:47-02:57	-5.6	997.2	19.	328.
02:52-03:02	-5.6	997.2	18.	326.
02:57-03:07	-5.6	997.3	19.	325.
03:02-03:12	-5.6	997.2	18.	325.
03:07-03:17	-5.6	997.2	19.	326.
03:12-03:22	-5.6	997.2	19.	328.
03:17-03:27	-5.7	997.2	17.	332.
03:22-03:32	-5.7	997.3	15.	335.
03:27-03:37	-5.7	997.4	14.	337.
03:32-03:42	-5.7	997.4	15.	339.
03:37-03:47	-5.8	997.4	15.	339.
03:42-03:52	-5.9	997.4	15.	335.
03:47-03:57	-5.9	997.4	16.	332.
03:52-04:02	-5.9	997.3	18.	332.
03:57-04:07	-5.9	997.3	19.	333.
04:02-04:12	-5.9	997.3	18.	334.
04:07-04:17	-5.9	997.3	18.	335.
04:12-04:22	-5.9	997.3	18.	335.
04:17-04:27	-5.9	997.3	17.	338.
04:22-04:32	-5.9	997.3	16.	342.
04:27-04:37	-5.9	997.2	14.	343.
04:32-04:42	-6.0	997.3	15.	346.
04:37-04:47	-6.1	997.3	15.	343.
04:42-04:52	-6.2	997.3	14.	342.
04:47-04:57	-6.4	997.3	14.	341.
04:52-05:02	-6.4	997.3	14.	339.
04:57-05:07	-6.5	997.3	13.	340.

FARRIE_DERAIL : 0103

Time	Temp	Barom	Wind-Spd	Wind-Dir
05:02-05:12	-6.5	997.3	12.	337.
05:07-05:17	-6.6	997.4	11.	337.
05:12-05:22	-6.7	997.6	10.	338.
05:17-05:27	-6.6	997.7	10.	337.
05:22-05:32	-6.6	997.6	10.	339.
05:27-05:37	-6.6	997.6	11.	342.
05:32-05:42	-6.6	997.7	14.	344.
05:37-05:47	-6.5	997.7	15.	344.
05:42-05:52	-6.5	997.7	16.	339.
05:47-05:57	-6.5	997.7	17.	338.
05:52-06:02	-6.5	997.7	14.	339.
05:57-06:07	-6.5	997.7	13.	339.
06:02-06:12	-6.6	997.7	14.	338.
06:07-06:17	-6.5	997.6	14.	340.
06:12-06:22	-6.5	997.6	15.	340.
06:17-06:27	-6.5	997.5	14.	338.
06:22-06:32	-6.5	997.4	12.	337.
06:27-06:37	-6.6	997.5	13.	336.
06:32-06:42	-6.6	997.7	16.	334.
06:37-06:47	-6.6	997.7	17.	334.
06:42-06:52	-6.6	997.7	19.	339.
06:47-06:57	-6.6	997.7	20.	338.
06:52-07:02	-6.7	997.7	19.	332.
06:57-07:07	-6.8	997.7	18.	331.
07:02-07:12	-6.8	997.7	17.	333.
07:07-07:17	-6.8	997.7	15.	332.
07:12-07:22	-6.9	997.7	13.	328.
07:17-07:27	-7.0	997.7	13.	325.
07:22-07:32	-7.0	997.7	15.	330.
07:27-07:37	-6.9	997.8	16.	331.
07:32-07:42	-7.0	997.8	16.	327.
07:37-07:47	-7.1	997.9	14.	326.
07:42-07:52	-7.1	997.9	11.	323.
07:47-07:57	-7.1	997.9	10.	322.
07:52-08:02	-7.1	998.0	12.	324.
07:57-08:07	-7.1	998.1	12.	322.
08:02-08:12	-7.2	998.1	11.	320.
08:07-08:17	-7.1	998.2	9.	322.
08:12-08:22	-7.1	998.2	10.	319.
08:17-08:27	-7.1	998.2	10.	317.
08:22-08:32	-7.1	998.2	12.	316.
08:27-08:37	-7.0	998.2	14.	315.
08:32-08:42	-6.9	998.3	16.	316.
08:37-08:47	-6.9	998.5	18.	317.
08:42-08:52	-7.0	998.6	22.	314.
08:47-08:57	-7.1	998.6	24.	315.
08:52-09:02	-7.1	998.6	23.	318.
08:57-09:07	-7.1	998.5	24.	314.
09:02-09:12	-7.1	998.4	26.	314.
09:07-09:17	-7.1	998.4	25.	316.
09:12-09:22	-7.1	998.5	32.	321.
09:17-09:27	-7.0	998.6	32.	325.
09:22-09:32	-7.0	998.6	27.	326.
09:27-09:37	-7.1	998.5	28.	322.
09:32-09:42	-7.2	998.6	27.	321.

BARRIE_DERAIL : 0103

Time	Temp	Barom	Wind-Spd	Wind-Dir
09:37-09:47	-7.1	998.6	23.	326.
09:42-09:52	-7.0	998.7	23.	327.
09:47-09:57	-6.9	998.7	24.	325.
09:52-10:02	-7.0	998.6	24.	322.
09:57-10:07	-6.8	998.6	27.	326.
10:02-10:12	-6.8	998.6	28.	330.
10:07-10:17	-7.0	998.7	25.	328.
10:12-10:22	-7.0	998.8	22.	334.
10:17-10:27	-7.2	998.9	22.	335.
10:22-10:32	-7.3	998.9	22.	328.
10:27-10:37	-7.2	998.9	21.	329.
10:32-10:42	-6.7	998.9	19.	335.
10:37-10:47	-6.3	998.9	20.	336.
10:42-10:52	-6.6	998.8	21.	331.
10:47-10:57	-7.0	998.8	21.	325.
10:52-11:02	-7.0	998.8	20.	325.
10:57-11:07	-6.7	998.8	19.	327.
11:02-11:12	-6.3	998.8	20.	329.
11:07-11:17	-6.3	998.8	22.	329.
11:12-11:22	-6.7	998.8	25.	327.

BARRIE_DERAIL : 0103

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-6.4	997.8	-	-
Std. Dev.	.6	.6	-	-
Min Reading	-7.4	997.1	5.9	296.2
Max Reading	-5.5	999.0	64.2	355.0
Min Average	-7.3	997.1	9.0	307.4
Max Average	-5.6	998.9	32.1	346.0
# Valid Rdgs	639.	639.	639.	639.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 0202

Start: 82/03/02 16:20 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
16:20-16:30	-7.6	1014.4	25.	348.
16:25-16:35	-7.6	1014.6	23.	344.
16:30-16:40	-7.7	1014.8	21.	342.
16:35-16:45	-7.9	1014.8	18.	334.
16:40-16:50	-8.1	1014.8	18.	329.
16:45-16:55	-8.1	1014.8	19.	328.
16:50-17:00	-8.2	1014.8	19.	328.
16:55-17:05	-8.1	1014.9	17.	329.
17:00-17:10	-8.2	1014.9	15.	328.
17:05-17:15	-8.2	1015.0	12.	328.
17:10-17:20	-8.3	1015.1	11.	326.
17:15-17:25	-8.5	1015.2	11.	325.
17:20-17:30	-8.8	1015.2	10.	326.
17:25-17:35	-9.0	1015.1	11.	326.
17:30-17:40	-9.1	1015.1	12.	328.
17:35-17:45	-9.1	1015.1	11.	330.
17:40-17:50	-9.0	1015.2	11.	334.
17:45-17:55	-9.3	1015.3	11.	334.
17:50-18:00	-9.4	1015.5	11.	334.
17:55-18:05	-9.5	1015.7	11.	334.
18:00-18:10	-9.6	1015.7	11.	330.
18:05-18:15	-9.4	1015.8	10.	331.
18:10-18:20	-9.3	1015.8	11.	331.
18:15-18:25	-9.6	1015.8	12.	330.
18:20-18:30	-9.6	1015.9	11.	330.
18:25-18:35	-9.9	1015.9	11.	326.
18:30-18:40	-10.4	1015.9	10.	322.
18:35-18:45	-10.7	1016.0	10.	323.
18:40-18:50	-10.7	1016.1	9.	324.
18:45-18:55	-10.8	1016.2	9.	319.
18:50-19:00	-10.8	1016.3	7.	312.
18:55-19:05	-10.6	1016.5	5.	307.
19:00-19:10	-10.1	1016.8	4.	304.
19:05-19:15	-10.1	1016.8	4.	300.
19:10-19:20	-10.4	1016.8	5.	301.
19:15-19:25	-10.8	1016.9	5.	308.
19:20-19:30	-11.1	1016.9	5.	317.
19:25-19:35	-11.2	1017.0	5.	322.
19:30-19:40	-11.2	1017.0	5.	324.
19:35-19:45	-10.9	1017.1	7.	327.
19:40-19:50	-10.9	1017.1	8.	328.
19:45-19:55	-11.3	1017.1	9.	326.
19:50-20:00	-11.5	1017.1	10.	325.
19:55-20:05	-11.5	1017.1	10.	326.
20:00-20:10	-11.7	1017.2	10.	327.
20:05-20:15	-11.9	1017.2	10.	326.
20:10-20:20	-12.0	1017.3	11.	326.
20:15-20:25	-11.8	1017.5	12.	325.
20:20-20:30	-11.8	1017.7	12.	325.
20:25-20:35	-11.9	1017.8	11.	324.
20:30-20:40	-12.0	1017.8	11.	324.

BARRIE_DERAIl : 0202

Time	Temp	Barom	Wind-Spd	Wind-Dir
20:35-20:45	-12.1	1017.9	11.	327.
20:40-20:50	-12.2	1017.9	11.	329.
20:45-20:55	-12.3	1017.9	11.	329.
20:50-21:00	-12.4	1017.9	11.	328.
20:55-21:05	-12.5	1018.0	11.	328.
21:00-21:10	-12.6	1018.1	11.	329.
21:05-21:15	-12.3	1018.1	12.	332.
21:10-21:20	-11.9	1018.1	12.	335.
21:15-21:25	-12.0	1018.2	12.	337.
21:20-21:30	-12.0	1018.2	12.	339.
21:25-21:35	-11.8	1018.4	11.	344.
21:30-21:40	-11.6	1018.6	10.	348.
21:35-21:45	-11.6	1018.8	8.	350.
21:40-21:50	-12.0	1018.8	5.	354.
21:45-21:55	-12.1	1018.9	3.	1.
21:50-22:00	-12.1	1018.9	4.	6.
21:55-22:05	-12.2	1018.9	5.	8.
22:00-22:10	-12.2	1018.9	6.	10.
22:05-22:15	-12.1	1019.0	6.	12.
22:10-22:20	-12.0	1019.0	6.	12.
22:15-22:25	-12.2	1019.0	7.	11.
22:20-22:30	-12.4	1019.1	7.	10.
22:25-22:35	-12.5	1019.1	6.	9.
22:30-22:40	-12.8	1019.1	5.	8.
22:35-22:45	-12.9	1019.1	4.	9.
22:40-22:50	-12.7	1019.2	5.	8.
22:45-22:55	-12.1	1019.2	5.	6.
22:50-23:00	-12.2	1019.2	6.	9.
22:55-23:05	-12.8	1019.4	6.	13.
23:00-23:10	-12.9	1019.7	7.	15.
23:05-23:15	-13.0	1019.8	6.	14.
23:10-23:20	-13.1	1019.8	6.	11.
23:15-23:25	-13.2	1019.8	7.	9.
23:20-23:30	-13.2	1019.9	7.	13.
23:25-23:35	-13.3	1019.9	5.	18.
23:30-23:40	-13.4	1019.9	2.	21.
23:35-23:45	-13.7	1020.0	2.	26.
23:40-23:50	-13.9	1020.1	2.	29.
23:45-23:55	-13.8	1020.1	3.	24.
23:50-00:00	-13.6	1020.1	5.	16.
23:55-00:05	-13.5	1020.2	5.	12.
82/03/03				
00:00-00:10	-13.6	1020.4	5.	15.
00:05-00:15	-13.7	1020.4	6.	21.
00:10-00:20	-13.7	1020.3	4.	26.
00:15-00:25	-13.9	1020.6	2.	35.
00:20-00:30	-14.3	1020.7	1.	40.
00:25-00:35	-14.6	1020.8	1.	35.
00:30-00:40	-14.7	1020.8	2.	26.
00:35-00:45	-14.6	1020.8	4.	23.
00:40-00:50	-14.6	1020.8	5.	21.
00:45-00:55	-14.6	1020.8	5.	21.
00:50-01:00	-14.6	1020.8	5.	23.
00:55-01:05	-14.7	1020.8	5.	25.
01:00-01:10	-14.8	1020.9	4.	26.

BARRIE_DERAIL : 0202

Time	Temp	Barom	Wind-Spd	Wind-Dir
01:05-01:15	-15.0	1021.0	4.	26.
01:10-01:20	-14.9	1021.1	3.	27.
01:15-01:25	-14.9	1021.1	4.	26.
01:20-01:30	-15.2	1021.1	5.	22.
01:25-01:35	-15.0	1021.1	5.	18.
01:30-01:40	-14.6	1021.2	5.	15.
01:35-01:45	-14.9	1021.1	6.	15.
01:40-01:50	-15.3	1021.1	7.	13.
01:45-01:55	-15.1	1021.2	7.	11.
01:50-02:00	-14.9	1021.4	7.	10.
01:55-02:05	-15.0	1021.7	7.	11.
02:00-02:10	-15.4	1021.8	8.	13.
02:05-02:15	-15.7	1021.8	9.	14.
02:10-02:20	-15.7	1021.8	10.	16.
02:15-02:25	-15.7	1021.8	10.	17.
02:20-02:30	-15.8	1021.9	10.	15.
02:25-02:35	-15.8	1021.9	9.	14.
02:30-02:40	-15.9	1021.9	10.	13.
02:35-02:45	-15.9	1021.9	10.	12.
02:40-02:50	-16.0	1021.9	10.	11.
02:45-02:55	-16.0	1022.0	11.	10.
02:50-03:00	-16.0	1022.0	10.	10.
02:55-03:05	-16.1	1022.0	9.	10.
03:00-03:10	-16.2	1022.1	8.	11.
03:05-03:15	-16.3	1022.1	8.	12.
03:10-03:20	-16.5	1022.1	7.	12.
03:15-03:25	-16.5	1022.1	7.	10.
03:20-03:30	-16.2	1022.2	8.	7.
03:25-03:35	-15.9	1022.2	7.	7.
03:30-03:40	-16.0	1022.3	6.	10.
03:35-03:45	-16.5	1022.3	6.	14.
03:40-03:50	-17.0	1022.5	4.	16.
03:45-03:55	-17.2	1022.7	2.	19.
03:50-04:00	-17.3	1022.6	1.	27.
03:55-04:05	-17.5	1022.5	1.	23.
04:00-04:10	-17.7	1022.6	1.	20.
04:05-04:15	-17.2	1022.8	0.	14.
04:10-04:20	-17.5	1022.8	0.	9.
04:15-04:25	-18.6	1022.8	0.	13.
04:20-04:30	-19.4	1022.8	0.	15.
04:25-04:35	-19.5	1022.8	0.	19.
04:30-04:40	-19.9	1022.8	1.	20.
04:35-04:45	-19.8	1022.9	1.	20.
04:40-04:50	-18.7	1022.9	1.	19.
04:45-04:55	-18.1	1022.9	0.	17.
04:50-05:00	-18.7	1023.0	0.	20.
04:55-05:05	-19.4	1023.0	0.	20.
05:00-05:10	-19.0	1023.1	0.	19.
05:05-05:15	-19.6	1023.1	1.	25.
05:10-05:20	-20.3	1023.1	1.	22.
05:15-05:25	-19.3	1023.1	1.	16.
05:20-05:30	-19.3	1023.2	0.	20.
05:25-05:35	-20.5	1023.2	0.	31.
05:30-05:40	-21.5	1023.2	0.	34.
05:35-05:45	-22.8	1023.4	0.	243.

BARRIE_DERAIL : 0202

Time	Temp	Barom	Wind-Spd	Wind-Dir
05:40-05:50	-23.5	1023.7	1.	230.
05:45-05:55	-23.5	1023.9	1.	227.
05:50-06:00	-23.3	1024.0	0.	228.
05:55-06:05	-22.9	1024.0	0.	278.
06:00-06:10	-22.9	1024.1	0.	307.
06:05-06:15	-23.1	1024.2	0.	327.
06:10-06:20	-22.8	1024.3	0.	326.
06:15-06:25	-22.4	1024.5	0.	323.
06:20-06:30	-22.2	1024.7	0.	324.
06:25-06:35	-22.1	1024.8	0.	335.
06:30-06:40	-22.0	1024.8	0.	349.
06:35-06:45	-22.2	1024.9	0.	354.
06:40-06:50	-22.7	1024.9	0.	12.
06:45-06:55	-22.6	1024.9	0.	21.
06:50-07:00	-22.2	1025.0	0.	32.
06:55-07:05	-23.1	1025.0	0.	73.

BARRIE_DERAIL : 0202

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-14.3	1019.8	-	-
Std. Dev.	4.2	3.0	-	-
Min Reading	-24.2	1014.2	.0	1.9
Max Reading	-7.4	1025.1	26.8	359.6
Min Average	-23.5	1014.4	.0	1.3
Max Average	-7.6	1025.0	24.8	354.4
# Valid Rdgs	888.	888.	888.	888.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 0303

Start: 82/03/03 08:23 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
08:23-08:33	-17.0	1026.5	1.	19.
08:28-08:38	-17.1	1026.7	1.	22.
08:33-08:43	-17.0	1026.8	0.	178.
08:38-08:48	-16.8	1026.9	0.	163.
08:43-08:53	-16.6	1026.9	0.	141.
08:48-08:58	-16.4	1026.9	0.	142.
08:53-09:03	-16.0	1026.8	0.	142.
08:58-09:08	-15.8	1026.8	0.	41.
09:03-09:13	-15.8	1026.8	4.	12.
09:08-09:18	-15.8	1026.7	6.	11.
09:13-09:23	-15.3	1026.6	5.	2.
09:18-09:28	-14.6	1026.7	7.	351.
09:23-09:33	-14.6	1026.8	7.	341.
09:28-09:38	-15.0	1026.8	8.	335.
09:33-09:43	-15.3	1026.8	6.	334.

BARRIE_DERAIL : 0303

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-15.9	1026.8	-	-
Std. Dev.	.9	.2	-	-
Min Reading	-17.3	1026.2	.0	.3
Max Reading	-14.2	1026.9	10.4	358.2
Min Average	-17.1	1026.5	.0	1.8
Max Average	-14.6	1026.9	7.6	350.9
# Valid Rdgs	82.	82.	82.	82.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAILED : 0304

Start: 82/03/03 11:32 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
11:32-11:42	-13.6	1026.8	10.	304.
11:37-11:47	-13.8	1026.8	10.	305.
11:42-11:52	-13.7	1026.8	10.	307.
11:47-11:57	-13.5	1026.8	9.	305.
11:52-12:02	-13.2	1026.8	9.	302.
11:57-12:07	-13.1	1026.8	10.	306.
12:02-12:12	-13.3	1026.8	11.	306.
12:07-12:17	-13.3	1026.8	11.	307.
12:12-12:22	-13.2	1026.8	11.	309.
12:17-12:27	-13.1	1026.8	9.	303.
12:22-12:32	-13.0	1026.8	9.	296.
12:27-12:37	-12.9	1026.8	11.	306.
12:32-12:42	-13.0	1026.8	12.	309.
12:37-12:47	-12.9	1026.7	10.	301.
12:42-12:52	-12.9	1026.7	11.	305.
12:47-12:57	-13.2	1026.5	11.	306.
12:52-13:02	-13.0	1026.2	10.	303.
12:57-13:07	-12.9	1026.2	10.	305.

BARRIE_DERAIL : 0304

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-13.2	1026.7	-	-
Std. Dev.	.3	.2	-	-
Min Reading	-13.8	1026.2	6.1	282.0
Max Reading	-12.4	1027.1	14.9	323.6
Min Average	-13.8	1026.2	8.7	296.5
Max Average	-12.9	1026.8	11.6	309.2
# Valid Rdgs	99.	99.	99.	99.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAILED : 0305

Start: 82/03/03 15:30 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: On Medonte conc #6 near hwy #400

Time	SolarRad	Temp	Barom	Wind-Spd	Wind-Dir
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BARRIE_DERAIL : 0305

Statistics	SolarRad	Temp	Barom	Wind-Spd	Wind-Dir
Units	W/cm^2	d C	mbar-msl	km/h	deg
Arith. Mean	.0000	-9.7	1027.0	-	-
Min Reading	.0000	-9.7	1027.0	11.2	296.0
Max Reading	.0000	-9.7	1027.0	11.2	296.0
# Valid Rdgs	1.	1.	1.	1.	1.
Min.Det.Lev	-	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0306

Start: 82/03/03 15:33 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
15:33-15:43	-8.9	1027.1	12.	287.
15:38-15:48	-9.1	1027.1	11.	292.
15:43-15:53	-9.3	1027.1	10.	298.
15:48-15:58	-9.3	1027.1	11.	299.
15:53-16:03	-9.4	1027.1	10.	295.
15:58-16:08	-9.4	1027.1	11.	290.
16:03-16:13	-9.5	1027.1	10.	294.
16:08-16:18	-9.7	1027.0	9.	300.
16:13-16:23	-9.5	1027.0	7.	297.
16:18-16:28	-9.3	1027.1	8.	295.
16:23-16:33	-9.7	1027.1	9.	301.
16:28-16:38	-10.0	1027.1	10.	307.
16:33-16:43	-10.1	1027.1	11.	308.
16:38-16:48	-10.2	1027.1	9.	310.
16:43-16:53	-10.0	1026.9	8.	297.
16:48-16:58	-9.7	1026.8	6.	290.
16:53-17:03	-9.4	1026.7	3.	305.
16:58-17:08	-9.4	1026.7	3.	314.
17:03-17:13	-10.0	1026.8	7.	321.
17:08-17:18	-11.0	1026.8	10.	327.

BARRIE_DERAIL : 0306

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-9.7	1027.0	-	-
Std. Dev.	.7	.2	-	-
Min Reading	-11.9	1026.4	.7	277.7
Max Reading	-8.5	1027.3	14.8	342.2
Min Average	-11.0	1026.7	3.1	287.3
Max Average	-8.9	1027.1	11.5	327.2
# Valid Rdgs	109.	109.	109.	109.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0307

Start: 82/03/03 20:38 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
20:38-20:48	-19.4	1027.5	0.	248.
20:43-20:53	-19.2	1027.8	1.	238.
20:48-20:58	-19.2	1027.8	1.	236.
20:53-21:03	-19.5	1027.8	1.	218.
20:58-21:08	-19.7	1027.8	1.	207.
21:03-21:13	-19.6	1027.8	0.	209.
21:08-21:18	-20.0	1027.8	1.	253.
21:13-21:23	-20.6	1027.8	1.	262.
21:18-21:28	-20.0	1027.8	0.	301.
21:23-21:33	-18.9	1027.8	0.	274.
21:28-21:38	-18.9	1027.7	1.	177.
21:33-21:43	-19.6	1027.4	1.	178.
21:38-21:48	-19.9	1027.2	0.	219.
21:43-21:53	-20.1	1027.0	0.	239.
21:48-21:58	-20.5	1027.0	0.	235.
21:53-22:03	-20.7	1027.1	0.	229.
21:58-22:08	-20.6	1027.1	0.	208.
22:03-22:13	-20.8	1027.1	0.	179.
22:08-22:18	-20.8	1027.1	1.	228.
22:13-22:23	-20.7	1027.2	2.	236.
22:18-22:28	-20.9	1027.2	2.	237.
22:23-22:33	-21.3	1027.3	2.	241.
22:28-22:38	-21.2	1027.6	2.	245.
22:33-22:43	-21.3	1027.7	0.	235.
22:38-22:48	-21.6	1027.7	0.	145.
22:43-22:53	-21.3	1027.5	0.	159.
22:48-22:58	-21.0	1027.2	0.	183.
22:53-23:03	-21.2	1027.2	0.	189.
22:58-23:08	-21.3	1027.1	1.	176.
23:03-23:13	-21.4	1027.1	1.	175.
23:08-23:18	-21.4	1027.1	0.	198.
23:13-23:23	-20.6	1027.1	0.	326.
23:18-23:28	-20.2	1027.1	0.	337.
23:23-23:33	-20.5	1027.0	0.	344.
23:28-23:38	-20.7	1026.9	0.	344.
23:33-23:43	-21.0	1026.9	0.	298.
23:38-23:48	-21.2	1026.7	0.	212.
23:43-23:53	-21.3	1026.4	0.	175.
23:48-23:58	-21.4	1026.2	0.	181.
23:53-00:03	-21.5	1026.1	0.	190.
23:58-00:08	-21.4	1026.1	0.	197.
82/03/04				
00:03-00:13	-21.4	1026.1	0.	227.
00:08-00:18	-21.4	1026.1	0.	262.
00:13-00:23	-21.2	1026.1	0.	254.
00:18-00:28	-21.4	1026.1	0.	252.
00:23-00:33	-21.6	1026.1	0.	255.
00:28-00:38	-21.3	1026.1	0.	268.
00:33-00:43	-20.9	1026.1	0.	284.
00:38-00:48	-20.4	1025.9	0.	293.
00:43-00:53	-20.1	1025.9	0.	289.

BARRIE_DERRAIL : 0307

Time	Temp	Barom	Wind-Spd	Wind-Dir
00:48-00:58	-20.7	1025.8	0.	279.
00:53-01:03	-21.2	1025.8	0.	249.
00:58-01:08	-21.4	1025.8	0.	254.
01:03-01:13	-21.2	1025.6	0.	262.
01:08-01:18	-21.0	1025.3	0.	266.
01:13-01:23	-21.2	1025.2	0.	277.
01:18-01:28	-21.5	1025.2	0.	275.
01:23-01:33	-21.2	1025.2	0.	308.
01:28-01:38	-21.0	1025.1	0.	318.
01:33-01:43	-20.8	1025.1	0.	322.
01:38-01:48	-20.8	1025.1	0.	320.
01:43-01:53	-21.0	1024.9	0.	335.
01:48-01:58	-21.1	1024.9	0.	334.
01:53-02:03	-20.9	1024.9	0.	329.
01:58-02:08	-20.5	1024.9	0.	332.
02:03-02:13	-20.3	1024.9	0.	329.
02:08-02:18	-20.1	1024.9	0.	317.
02:13-02:23	-20.0	1024.9	0.	302.
02:18-02:28	-20.1	1024.8	0.	334.
02:23-02:33	-19.5	1024.6	0.	338.
02:28-02:38	-18.7	1024.4	0.	338.
02:33-02:43	-18.5	1024.2	0.	337.
02:38-02:48	-18.8	1024.1	0.	350.
02:43-02:53	-18.9	1024.1	0.	358.
02:48-02:58	-18.9	1024.1	0.	337.
02:53-03:03	-19.0	1024.0	0.	319.
02:58-03:08	-19.3	1023.9	0.	283.
03:03-03:13	-19.6	1023.8	0.	245.
03:08-03:18	-19.6	1023.8	0.	211.
03:13-03:23	-19.4	1023.8	0.	199.
03:18-03:28	-19.2	1023.8	0.	197.
03:23-03:33	-18.9	1023.8	0.	218.
03:28-03:38	-18.5	1023.7	0.	297.
03:33-03:43	-17.9	1023.4	0.	356.
03:38-03:48	-17.4	1023.4	0.	359.
03:43-03:53	-17.3	1023.5	0.	17.
03:48-03:58	-16.7	1023.3	0.	32.
03:53-04:03	-16.0	1023.2	0.	33.
03:58-04:08	-16.2	1023.2	0.	41.
04:03-04:13	-16.6	1023.2	0.	17.
04:08-04:18	-16.8	1023.1	0.	17.
04:13-04:23	-16.7	1023.1	0.	27.
04:18-04:28	-16.0	1023.1	0.	42.
04:23-04:33	-16.0	1023.1	0.	348.
04:28-04:38	-17.0	1023.1	1.	358.
04:33-04:43	-17.3	1023.1	1.	12.
04:38-04:48	-16.8	1023.1	0.	16.
04:43-04:53	-17.0	1023.1	0.	20.
04:48-04:58	-17.5	1023.1	0.	299.
04:53-05:03	-17.8	1023.1	0.	59.
04:58-05:08	-17.5	1023.0	0.	58.
05:03-05:13	-17.3	1022.9	0.	40.
05:08-05:18	-17.5	1022.9	0.	28.
05:13-05:23	-17.8	1022.9	0.	28.
05:18-05:28	-17.9	1022.9	0.	44.

BARRIE_DERAIl : 0307

Time	Temp	Barom	Wind-Spd	Wind-Dir
05:23-05:33	-17.8	1022.8	0.	45.
05:28-05:38	-17.4	1022.7	0.	53.
05:33-05:43	-17.1	1022.5	0.	52.
05:38-05:48	-17.2	1022.3	2.	28.
05:43-05:53	-17.5	1022.2	4.	27.
05:48-05:58	-17.7	1022.1	4.	27.
05:53-06:03	-17.8	1022.1	3.	29.
05:58-06:08	-17.8	1022.1	2.	29.
06:03-06:13	-17.8	1022.0	2.	29.
06:08-06:18	-17.7	1021.9	2.	35.
06:13-06:23	-17.5	1021.8	3.	33.
06:18-06:28	-16.9	1021.8	2.	30.
06:23-06:33	-16.2	1021.8	1.	40.
06:28-06:38	-16.1	1021.5	2.	34.
06:33-06:43	-16.1	1021.3	2.	29.
06:38-06:48	-15.8	1021.2	3.	24.
06:43-06:53	-15.3	1021.2	3.	23.
06:48-06:58	-15.2	1021.1	3.	27.
06:53-07:03	-15.1	1021.1	4.	31.
06:58-07:08	-15.2	1021.1	5.	32.
07:03-07:13	-15.0	1021.0	5.	27.
07:08-07:18	-14.7	1020.9	5.	25.

BARRIE_DERAIL : 0307

Statistics	Temp	Barom	Wind-Spd	Wind-Dir
Units	d C	mbar-msl	km/h	deg
Arith. Mean	-19.2	1024.8	-	-
Std. Dev.	2.0	2.1	-	-
Min Reading	-21.9	1020.9	.0	.4
Max Reading	-14.4	1027.9	5.9	359.9
Min Average	-21.6	1020.9	.0	12.3
Max Average	-14.7	1027.8	4.8	358.5
# Valid Rds	641.	641.	641.	641.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 0401

Start: 82/03/04 10:16 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
10:16-10:26	-7.8	1015.6	9.	126.
10:21-10:31	-7.7	1015.3	10.	120.
10:26-10:36	-7.7	1015.1	11.	119.
10:31-10:41	-7.7	1015.0	9.	110.
10:36-10:46	-7.6	1014.9	9.	106.
10:41-10:51	-7.5	1014.9	11.	119.
10:46-10:56	-7.5	1014.8	11.	120.
10:51-11:01	-7.3	1014.7	10.	119.
10:56-11:06	-7.3	1014.5	14.	123.
11:01-11:11	-7.4	1014.3	16.	122.
11:06-11:16	-7.4	1014.1	13.	115.
11:11-11:21	-7.2	1014.1	11.	115.
11:16-11:26	-7.1	1014.0	13.	123.
11:21-11:31	-7.1	1014.0	13.	127.
11:26-11:36	-7.1	1013.9	12.	125.
11:31-11:41	-7.0	1013.9	14.	123.
11:36-11:46	-7.1	1013.9	16.	129.
11:41-11:51	-7.3	1013.9	17.	129.
11:46-11:56	-7.7	1013.8	16.	131.
11:51-12:01	-8.1	1013.5	15.	128.
11:56-12:06	-8.4	1013.1	16.	119.
12:01-12:11	-8.8	1013.0	18.	118.
12:06-12:16	-9.1	1012.9	17.	120.
12:11-12:21	-9.2	1012.6	15.	120.
12:16-12:26	-9.0	1012.3	14.	111.
12:21-12:31	-8.9	1012.0	13.	108.
12:26-12:36	-8.7	1011.9	12.	108.
12:31-12:41	-8.3	1011.8	12.	106.
12:36-12:46	-8.1	1011.7	12.	103.
12:41-12:51	-7.9	1011.4	12.	102.
12:46-12:56	-7.8	1011.1	12.	108.
12:51-13:01	-7.6	1010.9	10.	110.
12:56-13:06	-7.4	1010.8	12.	113.
13:01-13:11	-7.3	1010.6	15.	113.
13:06-13:16	-7.1	1010.2	15.	116.
13:11-13:21	-7.0	1010.1	16.	123.
13:16-13:26	-6.9	1010.0	16.	121.
13:21-13:31	-6.8	1009.9	19.	118.
13:26-13:36	-6.9	1009.8	21.	120.
13:31-13:41	-6.9	1009.5	20.	118.
13:36-13:46	-6.8	1009.2	17.	116.
13:41-13:51	-6.8	1009.1	17.	118.
13:46-13:56	-6.9	1009.1	15.	114.
13:51-14:01	-7.1	1009.0	16.	112.
13:56-14:06	-7.4	1008.9	17.	116.
14:01-14:11	-7.6	1008.7	12.	118.
14:06-14:16	-7.6	1008.4	12.	116.
14:11-14:21	-7.7	1008.1	13.	114.
14:16-14:26	-7.7	1008.1	13.	115.
14:21-14:31	-7.7	1008.1	16.	115.
14:26-14:36	-7.7	1008.1	17.	111.

BARRIE_DERRAIL : 0401

Time	Temp	Barom	Wind-Spd	Wind-Dir
14:31-14:41	-7.7	1008.0	16.	111.
14:36-14:46	-7.5	1007.9	14.	118.
14:41-14:51	-7.4	1007.8	16.	118.
14:46-14:56	-7.4	1007.6	16.	114.
14:51-15:01	-7.5	1007.3	13.	113.
14:56-15:06	-7.5	1007.1	10.	112.
15:01-15:11	-7.4	1007.0	10.	111.
15:06-15:16	-7.5	1006.9	13.	109.
15:11-15:21	-7.7	1006.9	12.	105.
15:16-15:26	-7.8	1006.8	10.	105.
15:21-15:31	-7.9	1006.8	11.	113.
15:26-15:36	-7.8	1006.6	11.	117.
15:31-15:41	-7.8	1006.3	12.	113.
15:36-15:46	-7.8	1006.1	13.	107.
15:41-15:51	-7.8	1006.0	12.	104.
15:46-15:56	-7.9	1005.9	12.	99.
15:51-16:01	-7.9	1005.8	10.	89.
15:56-16:06	-8.0	1005.4	9.	89.
16:01-16:11	-8.0	1005.2	10.	94.
16:06-16:16	-8.1	1005.1	11.	89.
16:11-16:21	-8.1	1005.1	13.	93.
16:16-16:26	-8.1	1005.0	11.	104.
16:21-16:31	-8.0	1005.1	10.	107.
16:26-16:36	-8.0	1005.1	11.	102.
16:31-16:41	-7.9	1005.1	8.	99.
16:36-16:46	-7.9	1005.1	8.	103.
16:41-16:51	-7.9	1005.0	8.	108.
16:46-16:56	-7.8	1004.9	6.	107.
16:51-17:01	-7.7	1004.9	8.	97.
16:56-17:06	-7.7	1004.7	9.	102.
17:01-17:11	-7.6	1004.4	7.	105.
17:06-17:16	-7.6	1004.2	7.	98.
17:11-17:21	-7.5	1004.1	7.	101.
17:16-17:26	-7.5	1004.1	7.	100.
17:21-17:31	-7.6	1004.0	9.	99.
17:26-17:36	-7.6	1003.9	10.	101.
17:31-17:41	-7.5	1003.8	8.	102.
17:36-17:46	-7.4	1003.7	9.	98.
17:41-17:51	-7.3	1003.6	8.	98.
17:46-17:56	-7.2	1003.5	7.	106.
17:51-18:01	-7.2	1003.3	7.	103.
17:56-18:06	-7.1	1003.2	8.	102.
18:01-18:11	-7.1	1003.1	8.	106.
18:06-18:16	-7.0	1003.1	8.	102.
18:11-18:21	-7.0	1003.0	9.	96.
18:16-18:26	-7.0	1002.9	8.	93.
18:21-18:31	-6.9	1002.9	7.	91.
18:26-18:36	-6.9	1002.8	6.	91.
18:31-18:41	-6.8	1002.8	7.	91.
18:36-18:46	-6.8	1002.8	6.	99.
18:41-18:51	-6.7	1002.7	6.	98.
18:46-18:56	-6.7	1002.4	8.	87.
18:51-19:01	-6.6	1002.2	9.	88.
18:56-19:06	-6.6	1002.2	7.	95.
19:01-19:11	-6.5	1002.1	8.	87.

BARRIE_DERRAIL : 0401

Time	Temp	Barom	Wind-Spd	Wind-Dir
19:06-19:16	-6.5	1002.1	7.	79.
19:11-19:21	-6.5	1002.0	5.	84.
19:16-19:26	-6.5	1001.9	5.	82.
19:21-19:31	-6.4	1001.8	3.	75.
19:26-19:36	-6.4	1001.6	3.	72.
19:31-19:41	-6.4	1001.4	6.	70.
19:36-19:46	-6.5	1001.2	7.	70.
19:41-19:51	-6.4	1001.2	7.	74.
19:46-19:56	-6.4	1001.1	6.	78.
19:51-20:01	-6.3	1001.1	4.	76.
19:56-20:06	-6.3	1001.1	3.	63.
20:01-20:11	-6.3	1001.1	4.	66.
20:06-20:16	-6.3	1001.1	2.	73.
20:11-20:21	-6.2	1001.0	2.	64.
20:16-20:26	-6.2	1000.9	4.	72.
20:21-20:31	-6.1	1000.8	4.	77.
20:26-20:36	-6.1	1000.5	4.	74.
20:31-20:41	-6.1	1000.2	4.	69.
20:36-20:46	-6.1	1000.1	4.	62.
20:41-20:51	-6.1	1000.1	4.	61.
20:46-20:56	-6.0	1000.0	3.	64.
20:51-21:01	-6.0	999.9	3.	62.
20:56-21:06	-6.0	999.8	4.	61.
21:01-21:11	-6.0	999.8	4.	66.
21:06-21:16	-6.0	999.6	4.	65.
21:11-21:21	-6.0	999.3	4.	63.
21:16-21:26	-6.0	999.2	5.	62.
21:21-21:31	-6.0	999.1	5.	57.
21:26-21:36	-5.9	999.1	7.	61.
21:31-21:41	-5.9	999.0	7.	58.
21:36-21:46	-5.9	998.9	6.	53.
21:41-21:51	-5.9	998.8	4.	53.
21:46-21:56	-5.8	998.8	3.	50.
21:51-22:01	-5.7	998.9	3.	48.
21:56-22:06	-5.7	998.8	4.	49.
22:01-22:11	-5.7	998.8	3.	50.
22:06-22:16	-5.6	998.7	2.	35.
22:11-22:21	-5.6	998.6	1.	18.
22:16-22:26	-5.7	998.4	2.	17.
22:21-22:31	-5.8	998.3	2.	23.
22:26-22:36	-5.8	998.3	2.	26.
22:31-22:41	-5.6	998.3	2.	6.
22:36-22:46	-5.5	998.2	3.	354.
22:41-22:51	-5.7	998.2	5.	355.
22:46-22:56	-5.9	998.2	6.	357.
22:51-23:01	-6.0	998.2	6.	357.
22:56-23:06	-6.0	998.2	7.	357.
23:01-23:11	-6.1	998.2	6.	359.
23:06-23:16	-6.1	998.2	6.	359.
23:11-23:21	-6.1	998.2	7.	358.
23:16-23:26	-6.1	998.2	8.	357.
23:21-23:31	-6.0	998.2	7.	357.
23:26-23:36	-5.9	998.2	7.	357.
23:31-23:41	-5.9	998.2	8.	355.
23:36-23:46	-5.8	998.4	7.	352.

BARRIE_DERAIL : 0401

Time	Temp	Barom	Wind-Spd	Wind-Dir
23:41-23:51	-5.7	998.7	7.	349.
23:46-23:56	-5.6	998.7	8.	347.
23:51-00:01	-5.6	998.8	9.	348.
23:56-00:06	-5.7	998.8	9.	348.
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00:01-00:11	-5.9	998.8	9.	349.
00:06-00:16	-6.0	998.9	9.	352.
00:11-00:21	-6.6	998.9	9.	354.
00:16-00:26	-7.1	999.7	8.	353.
00:21-00:31	-6.5	999.7	8.	351.
00:26-00:36	-6.1	999.0	8.	349.
00:31-00:41	-6.2	999.0	10.	347.
00:36-00:46	-6.2	999.1	11.	345.
00:41-00:51	-6.2	999.1	12.	343.
00:46-00:56	-6.2	999.2	12.	341.

BARRIE_DERAIL : 0401

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-6.9	1004.8	-	-
Std. Dev.	.9	5.4	-	-
Min Reading	-11.8	998.2	.1	.4
Max Reading	-5.2	1015.9	25.2	360.0
Min Average	-9.2	998.2	1.3	5.7
Max Average	-5.5	1015.6	21.3	359.2
# Valid Rdgs	882.	882.	882.	882.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0502

Start: 82/03/05 12:54 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
12:54-13:04	-2.5	1017.1	23.	263.
12:59-13:09	-2.3	1017.1	24.	262.
13:04-13:14	-2.1	1017.1	23.	264.
13:09-13:19	-2.1	1017.1	24.	269.
13:14-13:24	-2.4	1017.0	24.	276.
13:19-13:29	-2.3	1017.0	22.	280.
13:24-13:34	-1.6	1016.9	18.	278.
13:29-13:39	-1.4	1016.9	21.	274.
13:34-13:44	-1.9	1016.9	22.	275.
13:39-13:49	-1.9	1016.9	21.	270.
13:44-13:54	-1.8	1016.9	22.	267.
13:49-13:59	-1.7	1016.9	21.	270.
13:54-14:04	-1.5	1016.9	23.	273.
13:59-14:09	-1.7	1016.9	23.	273.
14:04-14:14	-2.3	1017.0	24.	279.
14:09-14:19	-2.6	1016.9	24.	287.
14:14-14:24	-2.6	1016.9	19.	288.
14:19-14:29	-2.4	1016.9	15.	283.
14:24-14:34	-2.3	1017.0	16.	282.
14:29-14:39	-2.5	1017.1	18.	283.
14:34-14:44	-2.6	1017.2	17.	284.
14:39-14:49	-2.4	1017.3	16.	281.
14:44-14:54	-2.3	1017.6	17.	279.
14:49-14:59	-2.5	1017.8	20.	282.
14:54-15:04	-2.6	1017.8	21.	283.
14:59-15:09	-2.6	1017.9	20.	279.
15:04-15:14	-2.6	1017.9	20.	278.
15:09-15:19	-2.5	1018.0	17.	278.
15:14-15:24	-2.4	1018.0	17.	274.
15:19-15:29	-2.1	1018.1	20.	268.
15:24-15:34	-1.8	1018.1	21.	266.
15:29-15:39	-1.9	1018.1	21.	267.
15:34-15:44	-2.1	1018.1	21.	271.
15:39-15:49	-2.0	1018.2	22.	266.
15:44-15:54	-2.1	1018.2	23.	264.

BARRIE_DERAIL : 0502

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-2.2	1017.4	-	-
Std. Dev.	.4	.5	-	-
Min Reading	-2.8	1016.9	12.3	251.3
Max Reading	-1.1	1018.2	33.5	301.1
Min Average	-2.6	1016.9	15.4	262.3
Max Average	-1.4	1018.2	24.3	288.3
# Valid Rdgs	180.	180.	180.	180.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

Start: 82/03/05 18:22 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
18:22-18:32	-3.7	1019.8	5.	287.
18:27-18:37	-3.9	1019.8	4.	283.
18:32-18:42	-4.1	1019.9	3.	285.
18:37-18:47	-4.2	1019.8	3.	282.
18:42-18:52	-4.4	1019.9	4.	282.
18:47-18:57	-4.6	1019.9	4.	285.
18:52-19:02	-4.8	1019.9	4.	286.
18:57-19:07	-5.0	1019.9	3.	285.
19:02-19:12	-5.1	1020.0	3.	283.
19:07-19:17	-5.1	1020.1	3.	280.
19:12-19:22	-5.1	1020.1	4.	274.
19:17-19:27	-5.0	1020.2	6.	279.
19:22-19:32	-4.9	1020.2	5.	283.
19:27-19:37	-4.8	1020.2	2.	283.
19:32-19:42	-4.9	1020.1	0.	282.
19:37-19:47	-5.0	1020.1	0.	288.
19:42-19:52	-5.3	1020.1	0.	283.
19:47-19:57	-5.5	1020.1	0.	283.
19:52-20:02	-5.7	1020.1	0.	286.
19:57-20:07	-5.8	1020.1	0.	283.
20:02-20:12	-5.8	1020.1	0.	254.
20:07-20:17	-5.8	1020.1	0.	251.
20:12-20:22	-6.0	1020.1	0.	249.
20:17-20:27	-6.1	1020.2	0.	255.
20:22-20:32	-6.3	1020.2	1.	265.
20:27-20:37	-6.3	1020.2	1.	271.
20:32-20:42	-6.3	1020.2	2.	284.
20:37-20:47	-5.9	1020.2	2.	292.
20:42-20:52	-5.7	1020.2	1.	293.
20:47-20:57	-5.6	1020.5	0.	294.
20:52-21:02	-5.8	1020.8	0.	281.
20:57-21:07	-6.2	1020.8	1.	269.
21:02-21:12	-6.6	1020.8	1.	265.
21:07-21:17	-7.1	1020.9	0.	238.
21:12-21:22	-7.5	1020.9	1.	201.
21:17-21:27	-7.9	1020.9	1.	200.
21:22-21:32	-7.9	1020.9	1.	211.
21:27-21:37	-7.5	1020.9	1.	211.
21:32-21:42	-7.4	1020.9	1.	209.
21:37-21:47	-7.7	1020.9	1.	213.
21:42-21:52	-8.2	1020.9	1.	218.
21:47-21:57	-8.8	1021.0	1.	216.
21:52-22:02	-9.3	1021.1	1.	209.
21:57-22:07	-9.7	1021.1	1.	196.
22:02-22:12	-10.0	1021.1	1.	196.
22:07-22:17	-9.9	1021.1	1.	201.
22:12-22:22	-9.7	1021.1	1.	214.
22:17-22:27	-9.4	1021.4	2.	215.
22:22-22:32	-9.1	1021.8	2.	211.
22:27-22:37	-8.8	1021.8	1.	209.
22:32-22:42	-8.7	1021.8	1.	208.

BARRIE_DERRAIL : 0503

Time	Temp	Barom	Wind-Spd	Wind-Dir
22:37-22:47	-8.5	1021.9	2.	213.
22:42-22:52	-8.3	1021.9	2.	213.
22:47-22:57	-8.2	1021.9	1.	209.
22:52-23:02	-8.2	1021.9	0.	210.
22:57-23:07	-8.0	1021.9	1.	207.
23:02-23:12	-8.0	1021.9	1.	202.
23:07-23:17	-8.0	1021.9	1.	214.
23:12-23:22	-8.0	1022.0	2.	224.
23:17-23:27	-7.9	1021.9	3.	220.
23:22-23:32	-7.9	1021.9	2.	218.
23:27-23:37	-7.9	1021.9	1.	207.
23:32-23:42	-8.1	1021.9	3.	197.
23:37-23:47	-8.6	1021.9	2.	198.
23:42-23:52	-9.4	1022.0	1.	213.
23:47-23:57	-10.1	1022.1	2.	217.
23:52-00:02	-10.5	1022.1	2.	217.
23:57-00:07	-10.7	1022.2	1.	217.
82/03/06				
00:02-00:12	-11.0	1022.2	0.	216.
00:07-00:17	-11.4	1022.2	0.	217.
00:12-00:22	-11.7	1022.4	1.	209.
00:17-00:27	-11.9	1022.7	1.	203.
00:22-00:32	-11.9	1022.8	1.	203.
00:27-00:37	-11.7	1022.8	1.	209.
00:32-00:42	-11.7	1022.8	0.	219.
00:37-00:47	-11.8	1022.8	0.	217.
00:42-00:52	-12.1	1022.8	0.	215.
00:47-00:57	-12.4	1022.8	0.	213.
00:52-01:02	-12.7	1022.8	0.	213.
00:57-01:07	-13.1	1022.8	0.	214.
01:02-01:12	-13.4	1022.9	1.	213.
01:07-01:17	-13.6	1022.9	1.	213.
01:12-01:22	-13.8	1022.9	0.	215.
01:17-01:27	-13.9	1022.9	0.	217.
01:22-01:32	-14.1	1022.9	0.	217.
01:27-01:37	-14.4	1022.9	0.	217.
01:32-01:42	-14.6	1022.9	0.	222.
01:37-01:47	-14.6	1022.9	0.	217.
01:42-01:52	-14.6	1022.9	0.	217.
01:47-01:57	-14.8	1022.9	0.	215.
01:52-02:02	-15.1	1022.9	0.	215.
01:57-02:07	-15.3	1022.9	0.	214.
02:02-02:12	-15.4	1022.9	0.	213.
02:07-02:17	-15.6	1022.9	0.	210.
02:12-02:22	-15.9	1022.9	0.	209.
02:17-02:27	-16.1	1022.9	0.	210.
02:22-02:32	-16.4	1022.9	0.	210.
02:27-02:37	-16.4	1022.6	0.	210.
02:32-02:42	-16.5	1022.3	0.	210.
02:37-02:47	-16.7	1022.2	0.	210.
02:42-02:52	-16.9	1022.1	0.	210.
02:47-02:57	-17.0	1022.1	0.	213.
02:52-03:02	-17.1	1022.1	0.	266.
02:57-03:07	-17.1	1022.0	0.	320.
03:02-03:12	-17.1	1021.8	0.	325.

BARRIE_DERAIL : 0503

Time	Temp	Barom	Wind-Spd	Wind-Dir
03:07-03:17	-17.2	1021.8	0.	326.
03:12-03:22	-17.3	1021.8	0.	326.
03:17-03:27	-17.5	1021.8	0.	327.
03:22-03:32	-17.7	1021.8	0.	327.
03:27-03:37	-17.8	1021.8	0.	326.
03:32-03:42	-17.7	1021.8	0.	303.
03:37-03:47	-17.9	1021.8	0.	267.
03:42-03:52	-18.2	1021.8	0.	253.
03:47-03:57	-18.5	1021.8	0.	244.
03:52-04:02	-18.7	1021.9	0.	226.
03:57-04:07	-18.5	1021.9	0.	221.
04:02-04:12	-18.5	1021.8	0.	220.
04:07-04:17	-18.6	1021.8	0.	219.
04:12-04:22	-18.8	1021.8	0.	218.
04:17-04:27	-18.8	1021.8	0.	221.
04:22-04:32	-18.9	1021.8	0.	224.
04:27-04:37	-19.0	1021.8	0.	225.
04:32-04:42	-19.0	1021.8	0.	225.
04:37-04:47	-19.1	1021.6	0.	226.
04:42-04:52	-19.1	1021.3	0.	236.
04:47-04:57	-19.3	1021.2	0.	247.
04:52-05:02	-19.4	1021.1	0.	250.
04:57-05:07	-19.4	1021.1	0.	251.
05:02-05:12	-19.3	1021.2	0.	251.
05:07-05:17	-19.3	1021.2	0.	251.
05:12-05:22	-19.5	1021.2	0.	251.
05:17-05:27	-19.7	1021.2	0.	251.
05:22-05:32	-19.8	1021.3	0.	251.
05:27-05:37	-19.9	1021.5	0.	243.
05:32-05:42	-20.1	1021.7	0.	214.
05:37-05:47	-20.2	1021.8	0.	199.
05:42-05:52	-20.3	1021.8	0.	194.
05:47-05:57	-20.4	1021.8	0.	194.
05:52-06:02	-20.4	1021.8	0.	198.
05:57-06:07	-20.3	1021.8	0.	200.
06:02-06:12	-20.1	1021.8	0.	201.
06:07-06:17	-20.1	1021.8	0.	207.
06:12-06:22	-20.3	1021.8	0.	219.
06:17-06:27	-20.3	1021.7	0.	223.
06:22-06:32	-20.4	1021.4	0.	255.
06:27-06:37	-20.4	1021.2	0.	296.
06:32-06:42	-20.3	1021.3	0.	292.
06:37-06:47	-20.3	1021.2	0.	275.
06:42-06:52	-20.5	1021.4	0.	264.
06:47-06:57	-20.7	1021.7	0.	263.
06:52-07:02	-20.7	1021.8	0.	263.
06:57-07:07	-20.5	1021.8	0.	262.
07:02-07:12	-20.4	1021.8	0.	262.
07:07-07:17	-20.3	1021.8	0.	261.
07:12-07:22	-20.3	1021.8	0.	262.
07:17-07:27	-20.3	1021.8	0.	262.
07:22-07:32	-20.1	1021.9	0.	239.
07:27-07:37	-19.8	1021.9	0.	213.
07:32-07:42	-19.4	1021.8	1.	202.
07:37-07:47	-19.0	1021.8	2.	200.

BARRIE_DERAIL : 0503

Time	Temp	Barom	Wind-Spd	Wind-Dir
07:42-07:52	-18.7	1021.8	2.	199.
07:47-07:57	-18.2	1021.8	2.	199.
07:52-08:02	-17.1	1021.8	3.	196.
07:57-08:07	-15.6	1021.8	4.	195.
08:02-08:12	-13.9	1021.8	4.	197.
08:07-08:17	-12.1	1021.8	3.	198.
08:12-08:22	-10.3	1021.8	2.	196.
08:17-08:27	-8.9	1021.8	3.	198.
08:22-08:32	-8.1	1021.8	2.	201.
08:27-08:37	-7.5	1021.8	2.	204.
08:32-08:42	-6.8	1021.8	2.	206.
08:37-08:47	-6.1	1021.8	2.	207.
08:42-08:52	-5.5	1021.8	2.	205.
08:47-08:57	-5.0	1021.8	3.	205.
08:52-09:02	-4.7	1021.8	2.	209.
08:57-09:07	-4.3	1021.6	2.	207.
09:02-09:12	-3.8	1021.3	2.	208.
09:07-09:17	-3.6	1021.2	3.	207.
09:12-09:22	-3.3	1021.2	2.	204.
09:17-09:27	-2.8	1021.2	3.	183.
09:22-09:32	-2.5	1021.2	5.	178.
09:27-09:37	-2.7	1021.2	6.	178.
09:32-09:42	-2.6	1021.1	6.	181.

BARRIE_DERAIL : 0503

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-12.3	1021.5	-	-
Std. Dev.	5.9	.9	-	-
Min Reading	-20.8	1019.5	.0	157.7
Max Reading	-2.2	1023.0	12.1	326.7
Min Average	-20.7	1019.8	.0	178.2
Max Average	-2.5	1022.9	6.1	326.6
# Valid Rdgs	922.	922.	922.	922.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0601

Start: 82/03/06 11:23 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
11:23-11:33	1.1	1020.2	18.	194.

BARRIE_DERAIL : 0601

Statistics	Temp	Barom	Wind-Spd	Wind-Dir
Units	d C	mbar-msl	km/h	deg
Arith. Mean	.9	1020.2	-	-
Std. Dev.	.5	.0	-	-
Min Reading	.3	1020.1	14.3	177.1
Max Reading	1.6	1020.2	22.6	207.9
Min Average	1.1	1020.2	18.3	194.0
Max Average	1.1	1020.2	18.3	194.0
# Valid Rdgs	14.	14.	14.	14.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0602

Start: 82/03/06 11:42 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
11:42-11:52	.5	1020.1	14.	178.
11:47-11:57	.8	1020.1	12.	181.
11:52-12:02	1.0	1020.0	12.	190.
11:57-12:07	1.4	1019.9	12.	192.
12:02-12:12	1.4	1019.9	14.	176.
12:07-12:17	.9	1019.9	16.	168.
12:12-12:22	.7	1019.9	16.	171.
12:17-12:27	.6	1019.9	16.	171.
12:22-12:32	.7	1019.9	16.	175.
12:27-12:37	.8	1019.8	14.	181.
12:32-12:42	.9	1019.5	13.	181.
12:37-12:47	.7	1019.3	14.	180.
12:42-12:52	.6	1019.3	15.	183.
12:47-12:57	.8	1019.1	14.	186.
12:52-13:02	1.2	1018.7	14.	191.
12:57-13:07	1.4	1018.5	13.	193.
13:02-13:12	1.4	1018.5	11.	193.
13:07-13:17	1.5	1018.6	12.	200.
13:12-13:22	1.8	1018.7	12.	207.
13:17-13:27	1.9	1018.6	14.	219.
13:22-13:32	1.8	1018.6	16.	228.
13:27-13:37	1.8	1018.8	15.	224.
13:32-13:42	1.9	1018.8	14.	217.
13:37-13:47	1.9	1018.8	14.	219.
13:42-13:52	1.8	1018.8	15.	218.
13:47-13:57	1.8	1018.9	16.	207.
13:52-14:02	1.5	1018.6	14.	195.
13:57-14:07	1.4	1018.5	12.	203.
14:02-14:12	1.8	1018.4	13.	216.
14:07-14:17	2.1	1018.2	11.	218.
14:12-14:22	2.3	1018.2	9.	212.
14:17-14:27	2.3	1018.2	10.	200.
14:22-14:32	2.1	1018.2	12.	188.
14:27-14:37	2.2	1018.1	11.	189.
14:32-14:42	2.4	1018.1	13.	211.
14:37-14:47	2.6	1018.1	13.	207.
14:42-14:52	2.6	1018.1	12.	191.
14:47-14:57	2.4	1018.0	10.	183.
14:52-15:02	2.5	1018.0	9.	188.
14:57-15:07	3.2	1017.9	10.	200.
15:02-15:12	3.2	1017.9	11.	198.
15:07-15:17	2.6	1017.9	10.	188.
15:12-15:22	2.3	1017.9	9.	185.
15:17-15:27	2.5	1017.8	9.	193.
15:22-15:32	2.7	1017.8	9.	199.
15:27-15:37	2.9	1017.6	8.	185.
15:32-15:42	2.7	1017.2	8.	172.
15:37-15:47	2.2	1017.1	9.	170.
15:42-15:52	1.8	1017.0	10.	161.
15:47-15:57	1.5	1016.9	10.	156.
15:52-16:02	1.4	1016.9	9.	162.

BARRIE_DERAIL : 0602

Time	Temp	Barom	Wind-Spd	Wind-Dir
15:57-16:07	1.4	1016.8	8.	161.
16:02-16:12	1.3	1016.4	8.	160.
16:07-16:17	1.2	1016.2	6.	165.
16:12-16:22	1.2	1016.2	6.	153.
16:17-16:27	1.2	1016.2	7.	148.
16:22-16:32	1.1	1016.5	9.	151.
16:27-16:37	.9	1016.6	10.	160.
16:32-16:42	.6	1016.3	9.	170.
16:37-16:47	.5	1016.1	7.	176.
16:42-16:52	.4	1016.0	6.	181.
16:47-16:57	.3	1016.0	9.	167.
16:52-17:02	-.0	1016.1	12.	157.
16:57-17:07	-.4	1015.9	12.	155.

BARRIE_DERAIl : 0602

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	1.5	1018.1	-	-
Std. Dev.	.9	1.3	-	-
Min Reading	-9	1015.8	2.8	136.1
Max Reading	3.8	1020.2	20.9	237.0
Min Average	-4	1015.9	5.9	148.2
Max Average	3.2	1020.1	16.4	227.9
# Valid Rdgs	327.	327.	327.	327.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 0603

Start: 82/03/06 17:53 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: On Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
17:53-18:03	-1.3	1015.1	4.	164.
17:58-18:08	-1.2	1015.0	6.	149.
18:03-18:13	-1.1	1014.9	8.	147.
18:08-18:18	-1.1	1015.0	8.	147.
18:13-18:23	-1.2	1015.0	7.	152.
18:18-18:28	-1.3	1015.0	7.	166.
18:23-18:33	-1.4	1015.0	8.	167.
18:28-18:38	-1.4	1015.1	5.	159.
18:33-18:43	-1.4	1015.1	4.	155.
18:38-18:48	-1.4	1015.1	4.	161.
18:43-18:53	-1.4	1015.1	4.	156.
18:48-18:58	-1.3	1015.1	4.	147.
18:53-19:03	-1.3	1015.1	5.	153.
18:58-19:08	-1.3	1015.1	3.	165.
19:03-19:13	-1.3	1015.1	3.	178.
19:08-19:18	-1.5	1015.1	5.	177.
19:13-19:23	-1.6	1015.1	5.	177.
19:18-19:28	-1.7	1015.1	4.	184.
19:23-19:33	-1.7	1015.1	2.	183.
19:28-19:38	-1.7	1015.1	2.	166.
19:33-19:43	-1.8	1015.2	3.	184.
19:38-19:48	-1.8	1015.1	3.	197.
19:43-19:53	-1.9	1015.1	3.	188.
19:48-19:58	-1.9	1015.1	3.	187.
19:53-20:03	-2.0	1015.4	3.	203.
19:58-20:08	-1.9	1015.7	3.	207.
20:03-20:13	-2.0	1015.7	2.	191.
20:08-20:18	-2.2	1015.5	1.	173.
20:13-20:23	-2.3	1015.3	1.	170.
20:18-20:28	-2.3	1015.4	0.	203.
20:23-20:33	-2.1	1015.7	0.	209.
20:28-20:38	-2.1	1015.5	0.	217.
20:33-20:43	-2.0	1015.2	0.	214.
20:38-20:48	-1.8	1015.2	0.	215.
20:43-20:53	-1.7	1015.2	0.	202.
20:48-20:58	-1.4	1015.1	0.	152.
20:53-21:03	-1.4	1015.1	0.	137.
20:58-21:08	-1.7	1015.1	0.	209.
21:03-21:13	-2.0	1015.1	0.	302.
21:08-21:18	-2.2	1015.1	0.	294.
21:13-21:23	-2.2	1015.1	0.	277.
21:18-21:28	-2.1	1015.1	0.	230.
21:23-21:33	-1.9	1015.1	1.	230.
21:28-21:38	-1.9	1015.1	0.	230.
21:33-21:43	-2.0	1015.1	0.	239.
21:38-21:48	-2.0	1015.1	0.	234.
21:43-21:53	-2.0	1015.1	0.	221.
21:48-21:58	-2.0	1015.1	1.	220.
21:53-22:03	-1.9	1015.0	1.	226.
21:58-22:08	-1.8	1014.9	0.	232.
22:03-22:13	-1.8	1014.9	0.	230.

BARRIE_DERAIl : 0603

Time	Temp	Barom	Wind-Spd	Wind-Dir
22:08-22:18	-1.8	1014.9	0.	233.
22:13-22:23	-1.7	1014.9	0.	239.
22:18-22:28	-1.8	1014.9	0.	240.
22:23-22:33	-2.0	1014.9	0.	246.
22:28-22:38	-2.3	1014.8	0.	264.
22:33-22:43	-2.7	1014.6	0.	285.
22:38-22:48	-2.8	1014.4	0.	300.
22:43-22:53	-2.8	1014.4	0.	312.
22:48-22:58	-2.8	1014.4	0.	312.
22:53-23:03	-3.0	1014.3	0.	312.
22:58-23:08	-2.9	1014.1	0.	311.
23:03-23:13	-2.9	1014.1	0.	311.
23:08-23:18	-2.9	1014.1	0.	311.
23:13-23:23	-3.3	1013.8	0.	312.
23:18-23:28	-2.6	1013.8	0.	316.
23:23-23:33	-1.1	1014.0	0.	320.
23:28-23:38	-.5	1013.9	0.	320.
23:33-23:43	-.7	1013.9	0.	303.
23:38-23:48	-1.2	1013.9	0.	287.
23:43-23:53	-.7	1013.9	0.	291.
23:48-23:58	-.5	1013.9	0.	296.
23:53-00:03	-1.6	1013.9	0.	297.
23:58-00:08	-2.3	1014.0	0.	295.
82/03/07				
00:03-00:13	-2.4	1014.0	0.	285.
00:08-00:18	-2.3	1014.1	0.	273.
00:13-00:23	-2.2	1014.0	0.	262.
00:18-00:28	-1.7	1014.0	0.	253.
00:23-00:33	-1.6	1014.0	0.	251.
00:28-00:38	-1.8	1013.9	0.	248.
00:33-00:43	-2.1	1013.9	0.	238.
00:38-00:48	-2.5	1014.0	0.	229.
00:43-00:53	-2.6	1014.0	0.	227.
00:48-00:58	-2.7	1013.9	0.	225.
00:53-01:03	-2.9	1013.9	0.	221.
00:58-01:08	-2.8	1013.9	0.	213.
01:03-01:13	-2.7	1013.9	0.	206.
01:08-01:18	-2.8	1013.8	0.	204.
01:13-01:23	-2.7	1013.8	0.	204.
01:18-01:28	-2.3	1013.8	0.	208.
01:23-01:33	-2.1	1013.8	0.	213.
01:28-01:38	-2.3	1013.8	0.	215.
01:33-01:43	-2.6	1013.7	0.	215.
01:38-01:48	-2.7	1013.4	0.	215.
01:43-01:53	-2.8	1013.3	0.	215.
01:48-01:58	-2.8	1013.4	0.	215.
01:53-02:03	-2.8	1013.3	0.	216.
01:58-02:08	-2.9	1013.2	0.	216.
02:03-02:13	-3.1	1013.2	0.	216.
02:08-02:18	-3.2	1013.2	0.	216.
02:13-02:23	-3.2	1013.1	0.	216.
02:18-02:28	-3.2	1013.1	0.	218.
02:23-02:33	-3.4	1013.1	0.	232.
02:28-02:38	-3.5	1013.0	0.	256.
02:33-02:43	-3.6	1012.9	0.	264.

BARRIE_DERRAIL : 0603

Time	Temp	Barom	Wind-Spd	Wind-Dir
02:38-02:48	-3.5	1012.9	0.	256.
02:43-02:53	-3.3	1012.8	0.	247.
02:48-02:58	-3.4	1012.8	0.	239.
02:53-03:03	-3.7	1012.8	0.	230.
02:58-03:08	-3.8	1012.8	0.	224.
03:03-03:13	-3.8	1012.5	0.	221.
03:08-03:18	-3.9	1012.2	0.	221.
03:13-03:23	-4.1	1012.2	0.	223.
03:18-03:28	-4.7	1012.2	0.	226.
03:23-03:33	-4.9	1012.1	0.	228.
03:28-03:38	-5.0	1012.1	0.	237.
03:33-03:43	-5.0	1012.1	0.	248.
03:38-03:48	-4.9	1012.1	0.	251.
03:43-03:53	-4.6	1012.1	0.	249.
03:48-03:58	-4.2	1012.1	0.	246.
03:53-04:03	-3.9	1012.1	0.	246.
03:58-04:08	-3.9	1012.1	0.	249.
04:03-04:13	-3.8	1012.2	0.	253.
04:08-04:18	-3.7	1012.4	0.	256.
04:13-04:23	-3.8	1012.6	0.	255.
04:18-04:28	-3.6	1012.7	0.	253.
04:23-04:33	-3.4	1012.8	0.	249.
04:28-04:38	-2.9	1012.8	0.	249.
04:33-04:43	-2.4	1012.9	0.	258.
04:38-04:48	-2.4	1012.9	0.	262.
04:43-04:53	-2.5	1012.9	0.	261.
04:48-04:58	-2.0	1012.9	0.	261.
04:53-05:03	-1.5	1012.9	0.	263.
04:58-05:08	-1.3	1012.8	1.	268.
05:03-05:13	-1.3	1012.8	3.	264.
05:08-05:18	-1.2	1012.8	4.	264.
05:13-05:23	-1.4	1012.6	3.	265.
05:18-05:28	-1.5	1012.6	1.	262.
05:23-05:33	-1.7	1012.8	0.	258.
05:28-05:38	-1.9	1012.8	0.	231.
05:33-05:43	-2.2	1012.8	1.	171.
05:38-05:48	-2.7	1012.7	2.	171.
05:43-05:53	-3.2	1012.6	2.	173.
05:48-05:58	-3.4	1012.7	2.	179.
05:53-06:03	-3.3	1012.8	1.	186.
05:58-06:08	-3.3	1012.5	0.	195.
06:03-06:13	-3.5	1012.4	0.	194.
06:08-06:18	-3.7	1012.7	1.	203.
06:13-06:23	-3.7	1012.8	1.	199.
06:18-06:28	-3.7	1012.7	1.	178.
06:23-06:33	-3.7	1012.4	2.	176.
06:28-06:38	-3.7	1012.2	2.	186.
06:33-06:43	-3.7	1012.2	1.	197.
06:38-06:48	-3.5	1012.2	0.	200.
06:43-06:53	-3.4	1012.3	0.	205.
06:48-06:58	-3.2	1012.5	0.	237.
06:53-07:03	-3.1	1012.8	0.	237.
06:58-07:08	-3.1	1012.8	1.	243.
07:03-07:13	-3.0	1012.9	1.	246.
07:08-07:18	-2.8	1012.9	1.	241.

BARRIE_DERAIL : 0603

Time	Temp	Barom	Wind-Spd	Wind-Dir
07:13-07:23	-2.6	1012.9	1.	238.
07:18-07:28	-2.6	1012.9	1.	231.
07:23-07:33	-2.4	1012.9	1.	231.
07:28-07:38	-2.5	1012.9	0.	227.
07:33-07:43	-2.8	1012.9	0.	232.
07:38-07:48	-2.8	1012.9	0.	255.
07:43-07:53	-2.7	1012.9	0.	227.
07:48-07:58	-2.8	1013.0	0.	170.
07:53-08:03	-2.9	1013.0	0.	178.
07:58-08:08	-2.6	1013.0	1.	213.
08:03-08:13	-1.7	1013.0	1.	226.
08:08-08:18	-.8	1013.0	1.	252.
08:13-08:23	-.5	1013.1	2.	264.
08:18-08:28	-.8	1013.1	4.	263.
08:23-08:33	-.6	1013.1	6.	260.
08:28-08:38	-.3	1013.1	6.	265.
08:33-08:43	-.4	1013.2	6.	268.
08:38-08:48	-.5	1013.2	6.	271.
08:43-08:53	-.6	1013.1	6.	272.
08:48-08:58	-.8	1013.1	6.	268.
08:53-09:03	-.7	1013.1	7.	263.
08:58-09:08	-.8	1013.1	5.	264.
09:03-09:13	-1.0	1013.1	4.	274.
09:08-09:18	-1.0	1013.0	4.	273.
09:13-09:23	-.9	1013.0	3.	273.
09:18-09:28	-.8	1013.0	4.	275.
09:23-09:33	-.6	1013.0	5.	275.
09:28-09:38	-.8	1013.1	5.	274.
09:33-09:43	-.8	1013.1	6.	272.
09:38-09:48	-.5	1013.1	9.	276.
09:43-09:53	-.8	1013.1	10.	287.
09:48-09:58	-1.2	1013.2	9.	287.
09:53-10:03	-1.1	1013.2	10.	284.
09:58-10:08	-1.4	1013.3	13.	284.
10:03-10:13	-1.6	1013.3	13.	282.
10:08-10:18	-1.9	1013.2	19.	289.
10:13-10:23	-2.3	1013.1	21.	296.
10:18-10:28	-2.6	1013.1	18.	306.
10:23-10:33	-2.6	1013.1	18.	312.
10:28-10:38	-2.6	1013.1	19.	314.
10:33-10:43	-2.6	1013.1	18.	312.
10:38-10:48	-2.5	1013.1	19.	310.
10:43-10:53	-2.4	1013.1	16.	305.
10:48-10:58	-2.4	1013.1	15.	296.
10:53-11:03	-2.4	1013.2	17.	297.
10:58-11:08	-2.6	1013.2	18.	298.
11:03-11:13	-2.7	1013.2	17.	297.
11:08-11:18	-2.5	1013.1	15.	301.
11:13-11:23	-2.3	1013.0	15.	302.
11:18-11:28	-2.3	1013.1	16.	302.
11:23-11:33	-2.4	1013.0	15.	304.
11:28-11:38	-2.5	1012.9	16.	301.
11:33-11:43	-2.6	1012.9	16.	304.
11:38-11:48	-2.5	1012.8	16.	315.
11:43-11:53	-2.5	1012.8	17.	324.

BARRIE_DERAIl : 0603

Time	Temp	Barom	Wind-Spd	Wind-Dir
11:48-11:58	-2.7	1012.8	18.	329.
11:58-12:03	-2.8	1012.8	17.	327.
11:58-12:08	-2.6	1012.9	15.	317.
12:03-12:13	-2.3	1012.9	13.	312.
12:08-12:18	-2.3	1012.9	13.	320.
12:13-12:23	-2.6	1012.9	14.	330.
12:18-12:28	-2.9	1013.0	14.	337.
12:23-12:33	-2.9	1013.1	14.	337.
12:28-12:38	-2.7	1013.1	13.	326.
12:33-12:43	-2.6	1013.1	12.	322.
12:38-12:48	-2.6	1013.1	14.	327.
12:43-12:53	-2.7	1013.1	17.	326.
12:48-12:58	-2.6	1013.1	17.	323.
12:53-13:03	-2.5	1013.1	16.	320.
12:58-13:08	-2.4	1013.1	17.	322.
13:03-13:13	-2.6	1013.1	17.	327.
13:08-13:18	-2.5	1013.1	14.	326.
13:13-13:23	-2.0	1013.1	13.	306.
13:18-13:28	-1.7	1013.1	14.	304.
13:23-13:33	-1.9	1013.1	13.	314.
13:28-13:38	-1.8	1013.0	12.	319.
13:33-13:43	-1.8	1012.9	13.	329.
13:38-13:48	-2.1	1012.9	14.	332.
13:43-13:53	-1.7	1012.8	14.	321.
13:48-13:58	-1.4	1012.8	14.	315.
13:53-14:03	-1.3	1012.8	17.	316.
13:58-14:08	-1.4	1012.8	18.	317.

BARRIE_DERAIL : 0603

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-2.3	1013.6	-	-
Std. Dev.	1.0	1.0	-	-
Min Reading	-5.8	1011.3	.0	93.8
Max Reading	.4	1015.8	34.3	351.3
Min Average	-5.0	1012.1	.0	137.0
Max Average	-.3	1015.7	21.3	337.3
# Valid Rdgs	1219.	1219.	1219.	1219.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : .0701

Start: 82/03/07 14:45 Scan: 60 sec
 Average: 10.0 min Reports: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
14:45-14:55	-.8	1011.8	17.	315.
14:50-15:00	-.8	1011.9	21.	300.
14:55-15:05	-.8	1011.9	21.	301.
15:00-15:10	-.8	1011.9	20.	303.
15:05-15:15	-.8	1011.9	23.	301.
15:10-15:20	-.9	1011.9	26.	306.
15:15-15:25	-1.2	1011.9	25.	309.
15:20-15:30	-1.4	1011.9	26.	317.
15:25-15:35	-1.5	1011.9	25.	323.
15:30-15:40	-1.5	1011.9	23.	319.
15:35-15:45	-1.4	1011.9	21.	316.
15:40-15:50	-1.2	1011.9	18.	308.
15:45-15:55	-.9	1011.9	19.	304.
15:50-16:00	-.8	1012.0	19.	298.
15:55-16:05	-1.1	1012.1	17.	308.
16:00-16:10	-1.5	1012.1	21.	325.
16:05-16:15	-2.0	1012.1	24.	326.
16:10-16:20	-2.3	1012.1	21.	326.
16:15-16:25	-2.5	1012.3	20.	324.
16:20-16:30	-2.8	1012.6	19.	317.
16:25-16:35	-2.9	1012.8	20.	320.
16:30-16:40	-3.1	1012.8	21.	325.
16:35-16:45	-3.4	1012.9	22.	327.
16:40-16:50	-3.5	1012.9	20.	322.
16:45-16:55	-3.6	1012.9	17.	319.
16:50-17:00	-3.7	1012.9	14.	323.
16:55-17:05	-3.7	1012.9	15.	327.
17:00-17:10	-3.8	1013.0	20.	328.
17:05-17:15	-4.0	1013.1	22.	327.
17:10-17:20	-4.1	1013.1	18.	326.
17:15-17:25	-4.4	1013.1	19.	323.
17:20-17:30	-4.5	1013.1	22.	321.
17:25-17:35	-4.5	1013.2	19.	321.
17:30-17:40	-4.5	1013.2	17.	321.
17:35-17:45	-4.6	1013.2	18.	319.
17:40-17:50	-4.6	1013.4	19.	316.
17:45-17:55	-4.8	1013.6	21.	317.

BARRIE_DERAIl : 0701

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-2.6	1012.5	-	-
Std. Dev.	1.5	.6	-	-
Min Reading	-5.1	1011.6	9.3	284.9
Max Reading	-.5	1013.8	31.2	352.2
Min Average	-4.8	1011.8	14.3	298.4
Max Average	-.8	1013.6	26.3	327.7
# Valid Rdgs	190.	190.	190.	190.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

Start: 82/03/07 17:58 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: MTC yard on hwy #93 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
17:58-18:08	-5.3	1013.8	16.	317.
18:03-18:13	-5.5	1013.8	15.	315.
18:08-18:18	-5.6	1013.8	14.	315.
18:13-18:23	-5.8	1013.8	14.	315.
18:18-18:28	-5.9	1013.8	16.	316.
18:23-18:33	-6.0	1013.9	19.	315.
18:28-18:38	-6.1	1013.9	19.	313.
18:33-18:43	-6.2	1013.9	19.	315.
18:38-18:48	-6.4	1014.0	19.	315.
18:43-18:53	-6.4	1014.1	19.	314.
18:48-18:58	-6.6	1014.1	19.	316.
18:53-19:03	-6.8	1014.2	18.	316.
18:58-19:08	-6.8	1014.4	19.	316.
19:03-19:13	-6.9	1014.7	20.	316.
19:08-19:18	-7.1	1014.8	20.	316.
19:13-19:23	-7.3	1014.8	20.	313.
19:18-19:28	-7.4	1014.8	21.	311.
19:23-19:33	-7.6	1014.8	21.	307.
19:28-19:38	-7.7	1014.8	20.	304.
19:33-19:43	-7.9	1014.9	20.	305.
19:38-19:48	-7.9	1014.9	21.	305.
19:43-19:53	-8.1	1015.0	22.	304.
19:48-19:58	-8.2	1015.0	23.	304.
19:53-20:03	-8.3	1015.1	21.	302.
19:58-20:08	-8.4	1015.2	20.	301.
20:03-20:13	-8.5	1015.5	21.	302.
20:08-20:18	-8.5	1015.7	22.	303.
20:13-20:23	-8.6	1015.8	20.	304.
20:18-20:28	-8.7	1015.8	18.	301.
20:23-20:33	-8.8	1015.8	17.	295.
20:28-20:38	-9.0	1015.8	17.	296.
20:33-20:43	-9.1	1015.8	18.	299.
20:38-20:48	-9.3	1015.9	18.	300.
20:43-20:53	-9.4	1015.9	18.	300.
20:48-20:58	-9.6	1015.9	17.	299.
20:53-21:03	-9.7	1016.0	17.	296.
20:58-21:08	-9.8	1016.0	18.	296.
21:03-21:13	-9.8	1016.0	17.	300.
21:08-21:18	-9.8	1016.0	18.	303.
21:13-21:23	-9.8	1016.0	18.	303.
21:18-21:28	-9.9	1016.1	17.	300.
21:23-21:33	-10.0	1016.1	18.	297.
21:28-21:38	-10.0	1016.1	19.	295.
21:33-21:43	-10.0	1016.2	19.	294.
21:38-21:48	-10.1	1016.3	19.	294.
21:43-21:53	-10.1	1016.6	19.	294.
21:48-21:58	-10.2	1016.7	18.	293.
21:53-22:03	-10.3	1016.8	18.	291.
21:58-22:08	-10.3	1016.7	17.	293.
22:03-22:13	-10.3	1016.7	16.	292.
22:08-22:18	-10.3	1016.7	17.	290.

BARRIE_DERRAIL : 0702

Time	Temp	Barom	Wind-Spd	Wind-Dir
22:13-22:23	-10.3	1016.6	19.	289.
22:18-22:28	-10.3	1016.5	21.	286.
22:23-22:33	-10.4	1016.6	19.	286.
22:28-22:38	-10.5	1016.8	19.	287.
22:33-22:43	-10.5	1016.8	19.	289.
22:38-22:48	-10.4	1016.8	20.	290.
22:43-22:53	-10.3	1016.8	21.	289.
22:48-22:58	-10.2	1016.9	21.	289.
22:53-23:03	-10.1	1016.9	23.	291.
22:58-23:08	-10.0	1016.9	24.	293.
23:03-23:13	-9.9	1016.9	24.	290.
23:08-23:18	-9.9	1017.0	24.	289.
23:13-23:23	-10.0	1017.0	24.	291.
23:18-23:28	-10.1	1017.0	22.	294.
23:23-23:33	-10.2	1017.0	20.	297.
23:28-23:38	-10.2	1017.1	20.	299.
23:33-23:43	-10.2	1017.1	21.	300.
23:38-23:48	-10.2	1017.1	20.	301.
23:43-23:53	-10.2	1017.1	19.	302.
23:48-23:58	-10.2	1017.2	19.	303.
23:53-00:03	-10.1	1017.2	19.	304.
23:58-00:08	-10.2	1017.2	18.	305.
82/03/08				
00:03-00:13	-10.2	1017.2	18.	308.
00:08-00:18	-10.3	1017.2	18.	310.
00:13-00:23	-10.4	1017.2	19.	312.
00:18-00:28	-10.4	1017.2	19.	313.
00:23-00:33	-10.4	1017.4	19.	312.
00:28-00:38	-10.5	1017.7	18.	313.
00:33-00:43	-10.6	1017.8	17.	313.
00:38-00:48	-10.8	1017.8	15.	313.
00:43-00:53	-11.0	1017.9	15.	314.
00:48-00:58	-11.2	1018.0	15.	312.
00:53-01:03	-11.3	1018.1	14.	310.
00:58-01:08	-11.5	1018.1	13.	310.
01:03-01:13	-11.7	1018.1	12.	310.
01:08-01:18	-11.8	1018.4	12.	304.
01:13-01:23	-11.8	1018.7	13.	300.
01:18-01:28	-11.9	1018.8	14.	300.
01:23-01:33	-12.0	1018.8	15.	300.
01:28-01:38	-12.0	1018.8	15.	299.
01:33-01:43	-12.0	1018.8	14.	298.
01:38-01:48	-12.2	1018.9	15.	298.
01:43-01:53	-12.4	1019.0	14.	297.
01:48-01:58	-12.6	1019.0	13.	297.
01:53-02:03	-12.9	1019.1	14.	298.
01:58-02:08	-13.1	1019.1	14.	297.
02:03-02:13	-13.2	1019.2	13.	296.
02:08-02:18	-13.5	1019.4	11.	295.
02:13-02:23	-13.8	1019.6	10.	292.
02:18-02:28	-14.0	1019.8	11.	293.
02:23-02:33	-14.2	1019.8	12.	297.
02:28-02:38	-14.3	1019.8	13.	301.
02:33-02:43	-14.4	1019.8	14.	302.
02:38-02:48	-14.5	1019.9	15.	304.

BARRIE_DERAIL : 0702

Time	Temp	Barom	Wind-Spd	Wind-Dir
02:43-02:53	-14.7	1019.9	15.	308.
02:48-02:58	-14.9	1020.0	14.	309.
02:53-03:03	-15.1	1020.1	13.	310.
02:58-03:08	-15.4	1020.1	13.	313.
03:03-03:13	-15.5	1020.1	13.	313.
03:08-03:18	-15.6	1020.2	14.	313.
03:13-03:23	-15.7	1020.3	14.	312.
03:18-03:28	-15.8	1020.6	15.	314.
03:23-03:33	-15.9	1020.7	14.	314.
03:28-03:38	-16.0	1020.8	14.	314.
03:33-03:43	-16.1	1020.8	14.	314.
03:38-03:48	-16.2	1020.9	14.	314.
03:43-03:53	-16.3	1020.9	14.	314.
03:48-03:58	-16.4	1021.0	13.	313.
03:53-04:03	-16.6	1021.1	12.	312.
03:58-04:08	-16.7	1021.1	11.	313.
04:03-04:13	-16.8	1021.2	9.	313.
04:08-04:18	-16.9	1021.4	9.	314.
04:13-04:23	-17.1	1021.7	9.	316.
04:18-04:28	-17.1	1021.8	10.	318.
04:23-04:33	-17.2	1021.8	9.	320.
04:28-04:38	-17.4	1021.9	7.	325.
04:33-04:43	-17.7	1021.9	6.	330.
04:38-04:48	-17.9	1022.0	4.	331.
04:43-04:53	-18.1	1022.1	3.	333.
04:48-04:58	-18.3	1022.1	3.	332.
04:53-05:03	-18.4	1022.2	1.	331.
04:58-05:08	-18.6	1022.5	0.	337.
05:03-05:13	-18.9	1022.8	0.	338.
05:08-05:18	-19.1	1022.9	0.	329.
05:13-05:23	-19.2	1022.9	0.	319.

BARRIE_DERAIL : 0702

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-11.4	1017.7	-	-
Std. Dev.	3.6	2.5	-	-
Min Reading	-19.3	1013.6	.1	280.2
Max Reading	-5.2	1023.0	28.7	342.9
Min Average	-19.2	1013.8	.2	285.7
Max Average	-5.3	1022.9	24.4	338.4
# Valid Rdgs	686.	686.	686.	686.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAILED : 0801

Start: 82/03/08 08:00 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: 100m S on hwy #400 from Medonte conc #6

Time	Temp	Barom	Wind-Spd	Wind-Dir
08:00-08:10	-18.3	1026.3	7.	316.
08:05-08:15	-18.2	1026.5	6.	314.
08:10-08:20	-18.1	1026.7	6.	313.
08:15-08:25	-18.0	1026.8	7.	316.
08:20-08:30	-17.9	1026.8	7.	318.
08:25-08:35	-17.8	1026.9	6.	316.
08:30-08:40	-17.6	1027.0	5.	313.

BARRIE_DERAIL : 0801

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-17.9	1026.7	-	-
Std. Dev.	.3	.3	-	-
Min Reading	-18.4	1026.2	1.3	293.5
Max Reading	-17.3	1027.1	10.4	331.1
Min Average	-18.3	1026.3	4.5	312.5
Max Average	-17.6	1027.0	7.3	318.1
# Valid Rdgs	44.	44.	44.	44.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAILED : 0802

Start: 82/03/08 09:08 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: New parking lot on Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
09:08-09:18	-15.1	1027.9	9.	294.
09:13-09:23	-14.8	1028.0	10.	294.
09:18-09:28	-14.8	1028.1	13.	297.
09:23-09:33	-15.2	1028.1	13.	298.
09:28-09:38	-15.3	1028.2	13.	297.
09:33-09:43	-15.2	1028.5	15.	297.
09:38-09:48	-15.0	1028.7	15.	294.

BARRIE_DERAIL : 0802

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-15.0	1028.3	-	-
Std. Dev.	.3	.3	-	-
Min Reading	-15.6	1027.9	6.0	282.1
Max Reading	-14.1	1028.8	18.5	305.2
Min Average	-15.3	1027.9	8.7	293.6
Max Average	-14.8	1028.7	15.0	298.2
# Valid Rdgs	42.	42.	42.	42.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIl : 0803

Start: 82/03/08 10:29 Scan: 60 sec
 Average: 10.0 min Report: 5.0 min
 Loc: New parking lot on Medonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
10:29-10:39	-13.8	1029.1	15.	300.
10:34-10:44	-13.6	1029.1	12.	299.
10:39-10:49	-12.8	1029.1	11.	289.
10:44-10:54	-12.7	1029.1	12.	288.
10:49-10:59	-12.9	1029.1	11.	291.
10:54-11:04	-12.3	1029.1	11.	287.
10:59-11:09	-12.1	1029.2	12.	297.
11:04-11:14	-12.4	1029.2	14.	308.
11:09-11:19	-12.6	1029.2	15.	309.
11:14-11:24	-12.5	1029.2	15.	304.
11:19-11:29	-12.1	1029.2	15.	296.
11:24-11:34	-11.9	1029.1	14.	292.
11:29-11:39	-11.7	1029.1	15.	289.
11:34-11:44	-11.6	1029.1	15.	288.
11:39-11:49	-11.4	1029.1	13.	288.
11:44-11:54	-10.8	1029.1	12.	287.
11:49-11:59	-10.5	1029.1	10.	287.
11:54-12:04	-10.2	1029.1	9.	289.
11:59-12:09	-10.0	1029.2	10.	288.
12:04-12:14	-10.2	1029.2	10.	293.
12:09-12:19	-10.1	1029.2	11.	295.
12:14-12:24	-9.8	1029.3	11.	297.
12:19-12:29	-10.1	1029.6	12.	303.
12:24-12:34	-10.7	1029.8	13.	304.
12:29-12:39	-10.8	1029.8	11.	298.
12:34-12:44	-9.8	1029.8	10.	284.
12:39-12:49	-8.5	1029.8	11.	276.
12:44-12:54	-8.3	1029.8	10.	275.
12:49-12:59	-8.5	1029.8	9.	276.
12:54-13:04	-8.4	1029.8	8.	285.
12:59-13:09	-8.3	1029.8	9.	285.
13:04-13:14	-8.6	1029.7	8.	284.
13:09-13:19	-8.9	1029.7	8.	288.
13:14-13:24	-8.8	1029.7	10.	285.
13:19-13:29	-9.0	1029.4	8.	292.
13:24-13:34	-9.3	1029.2	10.	311.
13:29-13:39	-9.7	1029.2	13.	303.
13:34-13:44	-9.1	1029.2	12.	283.
13:39-13:49	-8.3	1029.2	14.	273.
13:44-13:54	-8.1	1029.2	14.	274.
13:49-13:59	-8.0	1029.5	12.	280.
13:54-14:04	-8.3	1029.8	12.	282.
13:59-14:09	-8.7	1029.8	11.	284.
14:04-14:14	-8.6	1029.7	8.	285.
14:09-14:19	-8.7	1029.4	9.	301.
14:14-14:24	-9.5	1029.2	12.	316.
14:19-14:29	-9.6	1029.2	12.	303.
14:24-14:34	-8.8	1029.2	11.	287.
14:29-14:39	-8.2	1029.2	8.	287.
14:34-14:44	-8.2	1029.2	10.	294.
14:39-14:49	-9.0	1029.2	14.	303.

BARRIE_DERAIL : 0803

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-10.2	1029.3	-	-
Std. Dev.	1.7	.3	-	-
Min Reading	-14.0	1029.0	1.9	253.1
Max Reading	-7.7	1029.8	19.6	331.3
Min Average	-13.8	1029.1	8.1	273.1
Max Average	-8.0	1029.8	15.4	316.1
# Valid Rdgs	262.	262.	262.	262.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- # Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

BARRIE_DERAIL : 0901

Start: 82/03/09 09:45 Scan: 60 sec
Average: 10.0 min Report: 5.0 min
Loc: New parking lot on Madonte conc #6 near hwy #400

Time	Temp	Barom	Wind-Spd	Wind-Dir
09:45-09:55	-8.1	1022.2	11.	66.
09:50-10:00	-7.9	1022.2	11.	66.
09:55-10:05	-7.8	1022.4	12.	79.
10:00-10:10	-7.6	1022.6	11.	87.
10:05-10:15	-7.4	1022.8	10.	80.
10:10-10:20	-7.2	1022.8	10.	71.
10:15-10:25	-7.2	1022.9	10.	65.
10:20-10:30	-7.1	1023.0	10.	61.
10:25-10:35	-7.0	1023.0	9.	61.
10:30-10:40	-7.0	1023.1	8.	76.
10:35-10:45	-7.0	1023.1	9.	78.
10:40-10:50	-7.0	1023.1	7.	74.
10:45-10:55	-6.8	1023.1	7.	80.
10:50-11:00	-6.6	1023.1	9.	78.
10:55-11:05	-6.5	1023.2	10.	70.
11:00-11:10	-6.5	1023.1	10.	65.
11:05-11:15	-6.3	1023.1	8.	65.
11:10-11:20	-6.2	1023.4	5.	62.
11:15-11:25	-5.9	1023.7	2.	56.
11:20-11:30	-5.6	1023.9	2.	63.
11:25-11:35	-5.5	1023.9	5.	66.
11:30-11:40	-5.5	1023.9	6.	67.
11:35-11:45	-5.6	1023.9	8.	71.
11:40-11:50	-5.6	1023.9	9.	83.
11:45-11:55	-5.5	1023.9	8.	84.
11:50-12:00	-5.3	1023.9	8.	79.
11:55-12:05	-5.2	1024.0	6.	87.
12:00-12:10	-4.9	1024.1	4.	83.
12:05-12:15	-4.5	1024.1	2.	57.
12:10-12:20	-4.5	1024.1	1.	26.
12:15-12:25	-4.7	1024.2	1.	27.
12:20-12:30	-4.5	1024.3	1.	39.
12:25-12:35	-4.3	1024.5	2.	25.
12:30-12:40	-4.4	1024.7	4.	18.
12:35-12:45	-4.5	1024.8	5.	23.
12:40-12:50	-4.5	1024.8	4.	29.
12:45-12:55	-4.4	1024.8	2.	27.
12:50-13:00	-4.1	1024.8	1.	21.
12:55-13:05	-3.5	1024.8	0.	30.

BARRIE_DERAIl : 0901

Statistics Units	Temp d C	Barom mbar-msl	Wind-Spd km/h	Wind-Dir deg
Arith. Mean	-5.8	1023.6	-	-
Std. Dev.	1.4	.8	-	-
Min Reading	-8.3	1022.1	.0	8.5
Max Reading	-2.2	1024.9	17.1	356.0
Min Average	-8.1	1022.2	.2	17.6
Max Average	-3.5	1024.8	11.8	87.4
# Valid Rdgs	204.	204.	204.	204.
Min.Det.Lev	-	950.0	-	-

- Invalid Data / Not Calculated
- nd Average is less than Min. Detectable Level
- m One or more readings Missing
- * Average is above Provincial Std/Criteria

Percent Valid Data Required for Valid Average: 90.0 %
 Averaging Started at Nearest: .0 min

CP Train Derailment
Medonte Township - Simcoe County

Minisonde Releases - Upper Air Soundings

Run Name	Date (mm:dd)	Time of Release (hh:mm)	Cloud Height	Location
Barrie	02:28	1755		On Conc.#6 near Hwy.#400
barri2	03:01	1024	470m	MTC yard on Hwy.#93
barri3	03:01	1120	550m	MTC yard on Hwy.#93
barri5	03:02	1457	840m	MTC yard on Hwy.#93
Barri6	03:03	0727	no wind data, only temp.	MTC yard
Barri7	03:03	0745	no temp. data, only wind.	MTC yard
Barri8	03:03	1434		On Conc.#6 near Hwy.#400
Barri9	03:03	1804		On Conc.#6 near Hwy.#400
bari20	03:04	0732	1,150m	On Conc.#6 near Hwy.#400
bari21	03:06	1106	no temp. data, only wind.	On. Conc.#6
bari22	03:06	1719	1,400m	On Conc.#6 near Hwy.#400
bari23	03:08	0716		On Hwy.#400 near Conc.#6
bari24	03:08	1002		Parking lot on Conc.#6

NOTE: The data presented in the following printouts is the real, raw field data. Some interpretation of this data is required. Consider the following:

- i) The wind direction plots have two 'N' - norths. Winds between 350 degrees and 005 degrees will appear to vary considerably on the printouts. Note 'barri9'.
- ii) The wind velocity data - the plot scale may be too large since the data acquisition system records all velocities attained and fits the data accordingly. One bad data point will throw off the entire plot. Note the 'Barri7' plot and data stats.
- iii) The temperature lapse rate should show no abrupt changes. For example, the temperatures above 1,320m as recorded during run 'barri2' must be in error - probably due to the weak minisonde signal received from this elevation.

No editing has been done on this data package.

BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

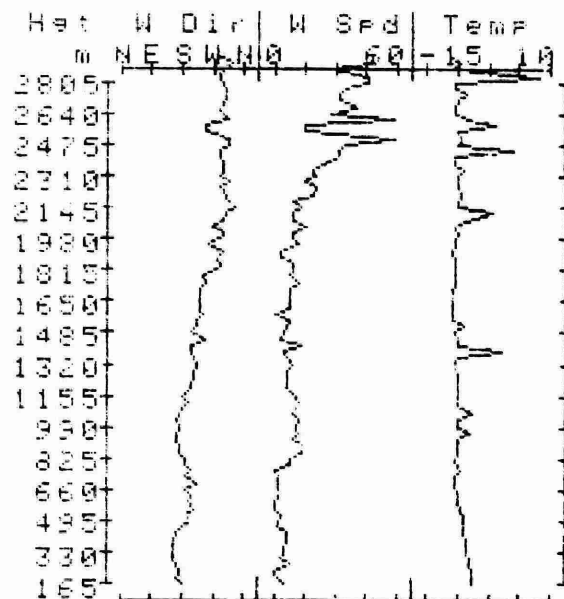
+++ THEODOLITE REPORT +++

File: barrie
 Name: Barrie
 Loc: 1km NW crash site
 Met: clear and calm
 B/L: 60 m, 203 deg
 Elev: 90 m
 Temp: -5.7995 degC
 Scan: 10 sec

+++ THEODOLITE REPORT +++

File: barrie
 Name: Barrie
 Loc: 1km NW crash site
 Met: clear and calm
 B/L: 60 m, 203 deg
 Elev: 90 m
 Temp: -5.7995 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
660	2638	295	49	-9.8
640	2772	313	36	-10.4
620	2766	295	46	-7.6
600	2640	308	33	-9.2
780	2574	295	36	-9.0
760	2598	311	43	-9.4
740	2442	245	15	-1.0
720	2376	313	47	-3.2
700	2310	291	31	-2.2
680	2244	299	22	-9.1
660	2178	302	17	-10.0
640	2112	298	19	-10.0
620	2046	326	16	-10.0
600	1980	303	9	-1.6
580	1914	281	12	-9.4
560	1848	273	10	-10.5
540	1782	289	3	-10.5
520	1716	287	8	-10.5
500	1650	242	9	-10.4
480	1584	231	8	-10.6
460	1518	228	7	-10.6
440	1452	229	3	-10.7
420	1386	215	6	-10.5
400	1320	218	1	-10.0
380	1254	209	5	-10.3
360	1188	217	8	-10.0
340	1122	208	6	-10.7
320	1056	193	6	-10.5
300	990	191	11	-10.5
280	924	167	10	-10.1
260	858	166	11	-10.5
240	792	167	11	-10.7
220	726	176	10	-10.7
200	660	189	3	-10.0
180	594	203	1	-10.1
160	528	199	1	-10.0
140	462	202	0	-10.6
120	396	196	2	-10.8
100	330	176	4	-10.5
80	264	152	5	-10.1
60	198	153	4	-10.0
40	132	153	3	-10.0
20	66	171	3	-10.0



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

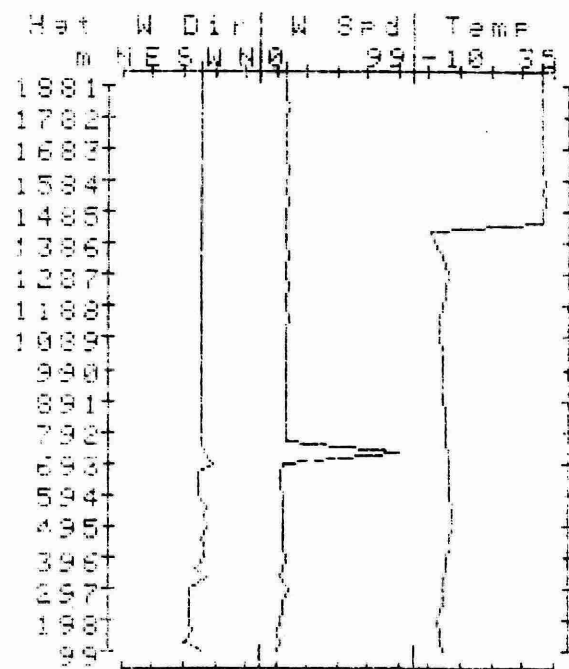
+++ THEODOLITE REPORT +++

File: barr12
 Name: Barr12
 Loc: MTC yard
 Met: overcast 2kmhr from s
 B/L: 60 m, 320 deg
 Elev: 90 m
 Temp: -4.9761 degC
 Scan: 10 sec

+++ THEODOLITE PLOT +++

File: barr12
 Name: Barr12
 Loc: MTC yard
 Met: overcast 2kmhr from s
 B/L: 60 m, 320 deg
 Elev: 90 m
 Temp: -4.9761 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SF	TEMP
580	1614	229	53	31.9
560	1648	229	53	30.9
540	1782	229	53	31.6
520	1716	229	53	31.4
500	1650	229	53	31.6
480	1584	229	53	31.1
460	1518	229	53	31.7
440	1452	229	53	31.7
420	1386	229	53	31.1
400	1320	229	53	-6.9
380	1254	229	53	-4.1
360	1188	229	53	-3.7
340	1122	229	53	-5.3
320	1056	229	53	-6.9
300	990	229	53	-5.7
280	924	229	53	-5.5
260	858	229	53	-4.9
240	792	229	53	-4.4
220	726	229	53	-4.0
200	660	238	513	-3.5
180	594	218	25	-3.0
160	528	236	27	-2.0
140	462	242	29	-2.4
120	396	236	33	-2.7
100	330	228	36	-4.1
80	264	218	40	-4.8
60	198	193	27	-5.7
40	132	197	10	-6.8
20	66	192	9	-6.9



BARRIE DERAILEMENT

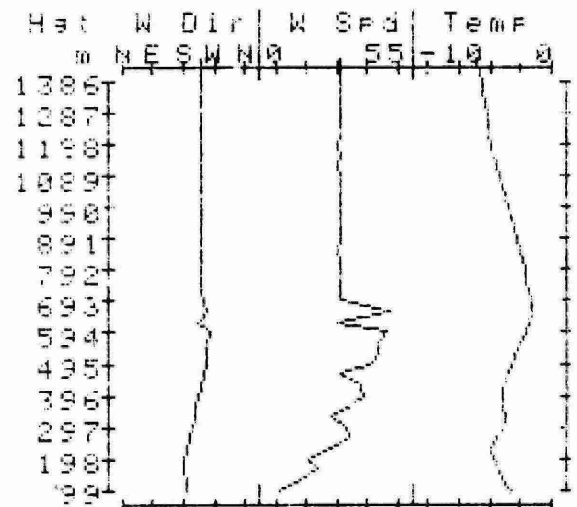
Minisonde Releases - Upper Air Soundings

+++ THEODORE

File: barri3
 Name: Barri3
 Loc: MTC yard
 Met: overcast 4kmhr ± variable
 B/L: 50 m 85 deg
 Elev: 90 m
 Temp: -2.7797 degC
 Scan: 10 sec

File: barri3
 Name: Barri3
 Loc: MTC yard
 Met: overcast 4kmhr ± variable
 B/L: 50 m 85 deg
 Elev: 90 m
 Temp: -2.7797 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
440	1452	229	29	-6.4
430	1419	229	29	-6.2
420	1386	229	29	-6.0
410	1353	229	29	-5.8
400	1320	229	29	-5.7
390	1287	229	29	-5.6
380	1254	229	29	-5.5
370	1221	229	29	-5.4
360	1188	229	29	-5.4
350	1155	229	29	-5.3
340	1122	229	29	-4.8
330	1089	229	29	-4.6
320	1056	229	29	-4.4
310	1023	229	29	-4.4
300	990	229	29	-3.9
290	957	229	29	-3.7
280	924	229	29	-3.4
270	891	229	29	-3.2
260	858	229	29	-3.0
250	825	229	29	-2.8
240	792	229	29	-2.5
230	759	229	29	-2.3
220	726	229	29	-2.1
210	693	229	29	-2.0
200	660	229	29	-1.6
190	627	229	29	-1.7
180	594	251	51	-1.7
170	561	225	28	-1.9
160	528	203	50	-2.1
150	495	252	45	-2.5
140	462	250	45	-3.0
130	429	249	43	-3.1
120	396	243	29	-3.5
110	363	234	38	-3.6
100	330	226	39	-3.9
90	297	216	34	-4.0
80	264	214	35	-3.8
70	231	206	31	-3.2
60	198	193	33	-4.4
50	165	187	26	-4.0
40	132	177	14	-4.5
30	99	162	18	-4.3
20	66	165	11	-3.9
10				-3.6



BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

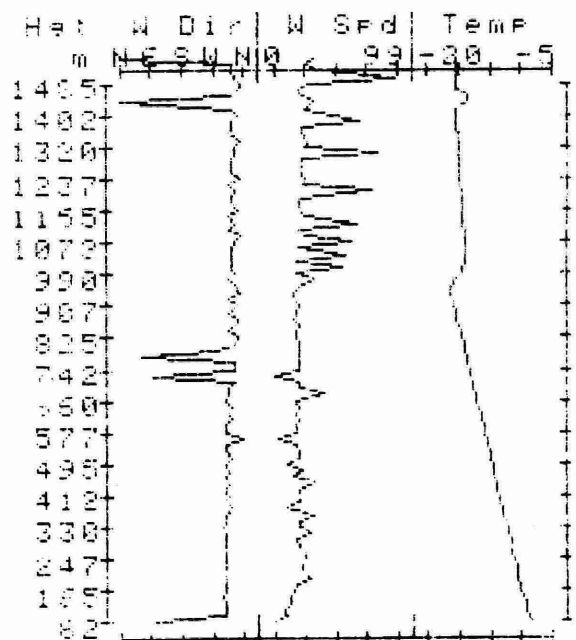
+++ THEODOLITE REPORT +++

File: barr15
 Name: Barr15
 Loc: MTC yard
 Met: mainly sunny 25kmhr nw
 W/L: 60 m, 120 deg
 Elev: 240 m
 Temp: -6.7541 degC
 Scan: 5 sec

+++ THEODOLITE PLOT +++

File: barr15
 Name: Barr15
 Loc: MTC yard
 Met: mainly sunny 25kmhr nw
 W/L: 60 m, 120 deg
 Elev: 240 m
 Temp: -6.7541 degC
 Scan: 5 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
465	1535	325	33	-16.6
450	1485	339	41	-16.6
435	1436	340	60	-16.6
420	1386	330	35	-15.1
405	1337	330	65	-16.7
390	1287	335	33	-16.4
375	1239	329	59	-16.3
360	1188	331	31	-16.2
345	1139	331	55	-16.0
330	1089	331	52	-15.9
315	1040	332	48	-15.6
300	990	325	45	-15.3
285	941	323	49	-15.7
270	891	336	23	-17.3
255	842	334	23	-17.0
240	792	331	26	-16.2
225	743	330	14	-15.7
210	693	334	16	-15.1
195	644	321	37	-14.6
180	594	317	26	-14.0
165	545	316	25	-13.3
150	495	316	18	-12.7
135	446	318	23	-12.2
120	396	312	30	-11.0
105	347	311	21	-11.3
90	297	305	32	-10.0
75	248	300	31	-15.2
60	198	300	33	-9.7
45	149	307	31	-9.2
30	99	307	19	-9.0
15	50	313	4	-9.0



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

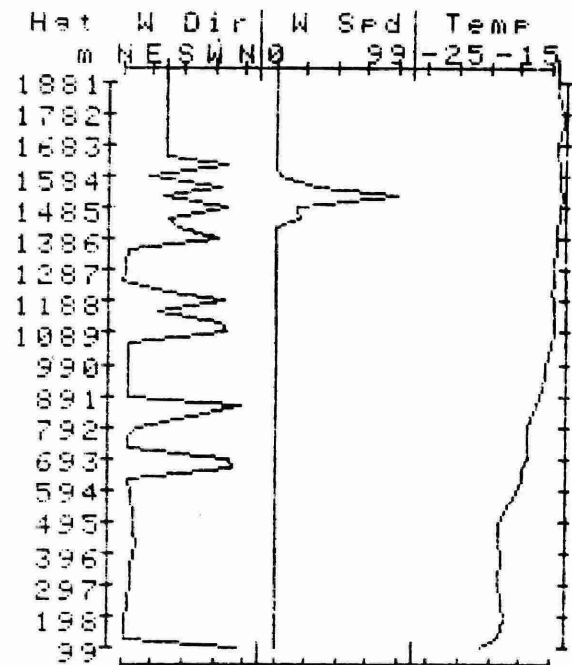
+++ THEODOLITE REPORT +++

File: Barri6
 Name: Barri6
 Loc: MTC yard
 Met: Calm cold clear
 B/L: 50 m, 305 deg
 Elev: 240 m
 Temp: -24.188 degC
 Scan: 10 sec

+++ THEODOLITE PLOT +++

File: Barri6
 Name: Barri6
 Loc: MTC yard
 Met: Calm cold clear
 B/L: 50 m, 305 deg
 Elev: 240 m
 Temp: -24.188 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
560	1848	126	503	-14.5
540	1782	125	391	-14.4
520	1716	126	473	-14.1
500	1650	126	471	-14.3
480	1584	127	103	-14.4
460	1518	296	5001	-14.2
440	1452	122		-14.0
420	1386	135	3079	-14.2
400	1320	339	239	-14.4
380	1254	5	23	-14.6
360	1188	124	132	-14.7
340	1122	85	146	-14.7
320	1056	297	386	-14.6
300	990	17	22	-15.0
280	924	19	22	-15.4
260	858	18	22	-15.6
240	792	220	11	-16.1
220	726	30	25	-16.7
200	660	343	23	-16.8
180	594	345	46	-17.2
160	528	28	32	-17.8
140	462	35	35	-18.8
120	396	39	36	-19.3
100	330	30	32	-19.0
80	264	23	33	-19.1
60	198	16	19	-19.0
40	132	9	18	-18.7
20	66	359	6	-19.3



BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

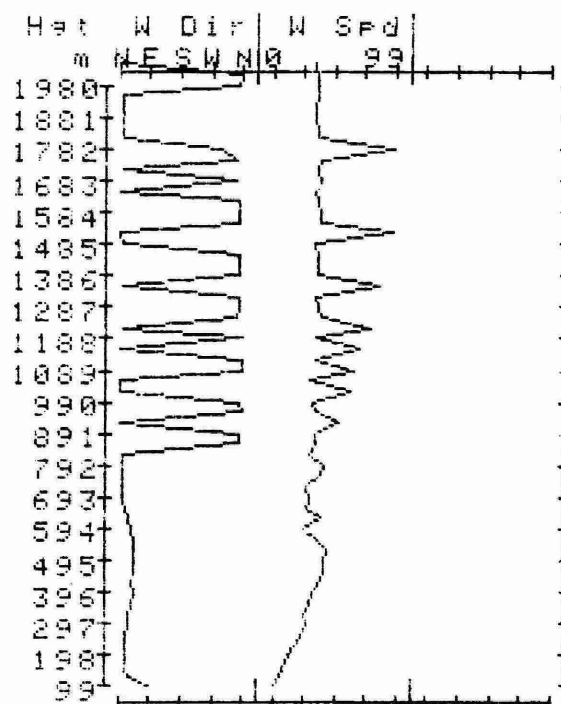
+++ THEODOLITE REPORT +++

File: Barri7
 Name: Barri7
 Loc: MTC yard
 Met: clear cold calm
 B/L: 50 m, 305 deg
 Elev: 240 m
 Temp: -22.671 degC
 Scan: 10 sec

+++ THEODOLITE PLU

File: Barri7
 Name: Barri7
 Loc: MTC yard
 Met: clear cold calm
 B/L: 50 m, 305 deg
 Elev: 240 m
 Temp: -22.671 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
600	1980	1	37	0.0
580	1914	356	37	0.0
560	1848	5	36	0.0
540	1782	5	37	0.0
520	1716	311	67	0.0
500	1650	355	38	0.0
480	1584	356	37	0.0
460	1518	347	40	0.0
440	1452	4	69	0.0
420	1386	351	38	0.0
400	1320	6	63	0.0
380	1254	352	36	0.0
360	1188	359	60	0.0
340	1122	359	55	0.0
320	1056	357	53	0.0
300	990	4	48	0.0
280	924	356	34	0.0
260	858	357	46	0.0
240	792	359	32	0.0
220	726	6	42	0.0
200	660	10	30	0.0
180	594	24	35	0.0
160	528	39	32	0.0
140	462	42	44	0.0
120	396	38	41	0.0
100	330	37	32	0.0
80	264	27	27	0.0
60	198	19	21	0.0
40	132	16	11	0.0
20	66	29	0	0.0



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

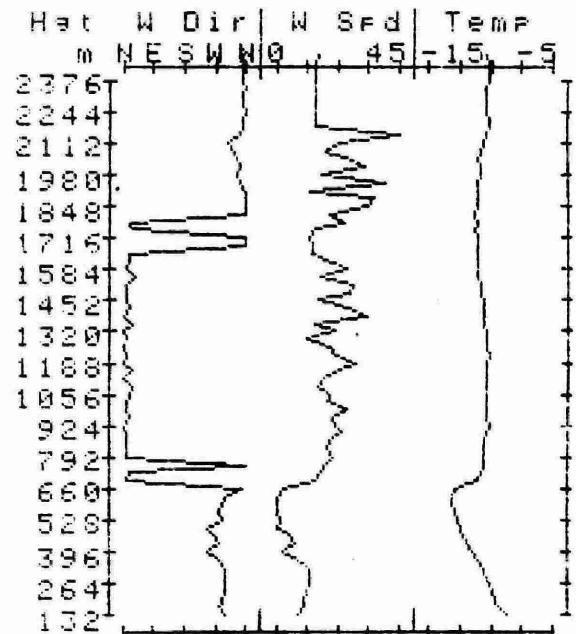
+++ THEODOLITE REPORT +++

File: barri8
 Name: Barri8
 Loc: 400 & conc 6
 Met: clear
 B/L: 50 m, 175 deg
 Elev: 240 m
 Temp: -7.995 degC
 Scan: 10 sec

+++ THEODOLITE PLOT +++

File: barri8
 Name: Barri8
 Loc: 400 & conc 6
 Met: clear
 B/L: 50 m, 175 deg
 Elev: 240 m
 Temp: -7.995 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SF	TEMP
740	2442	354	15	-10.5
720	2376	354	15	-10.3
700	2310	354	15	-10.0
680	2244	355	15	-10.3
660	2178	354	15	-10.4
640	2112	354	15	-10.2
620	2046	328	32	-10.3
600	1980	332	21	-11.0
580	1914	337	24	-10.9
560	1848	349	26	-11.0
540	1782	359	34	-11.1
520	1716	0	22	-11.2
500	1650	11	13	-11.3
480	1584	9	13	-11.0
460	1518	13	22	-11.1
440	1452	19	21	-11.0
420	1386	8	21	-10.8
400	1320	7	29	-10.6
380	1254	12	17	-10.6
360	1188	3	15	-10.4
340	1122	5	25	-10.3
320	1056	14	20	-10.4
300	990	22	17	-10.5
280	924	10	22	-10.4
260	858	9	21	-10.3
240	792	9	22	-10.3
220	726	8	20	-10.6
200	660	7	17	-10.7
180	594	1	8	-11.2
160	528	294	0	-13.3
140	462	287	1	-13.0
120	396	266	0	-12.4
100	330	270	4	-12.0
80	264	288	10	-11.1
60	198	298	12	-10.5
40	132	295	11	-9.9
20	66	291	9	-9.3



BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

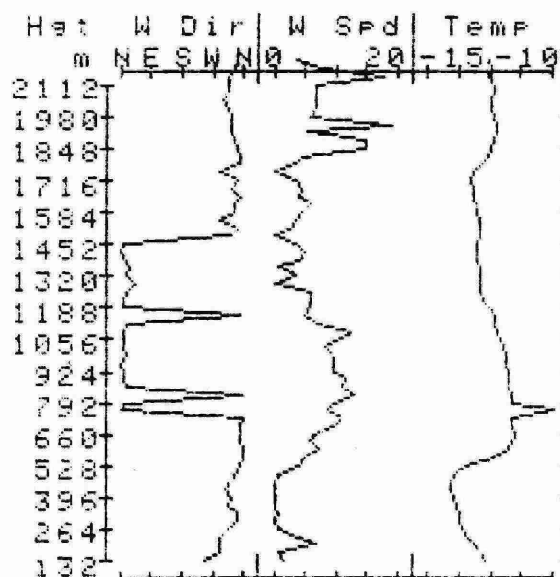
+++ THEODOLITE REPORT +++

File: barri9
 Name: Barri9
 Loc: 400 & conc 6
 Met: clear calm
 S/L: 50 m, 130 deg
 Elev: 240 m
 Temp: -12.834 degC
 Scan: 10 sec

+++ THEODOLITE PLOT +++

File: barri9
 Name: Barri9
 Loc: 400 & conc 6
 Met: clear calm
 S/L: 50 m, 130 deg
 Elev: 240 m
 Temp: -12.834 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
640	2112	334	5	-12.5
620	2046	315	12	-12.5
600	1980	310	7	-12.4
580	1914	316	6	-12.4
560	1848	323	12	-12.3
540	1782	337	15	-12.4
520	1716	351	4	-12.6
500	1650	327	0	-13.1
480	1584	340	4	-13.2
460	1518	330	5	-13.1
440	1452	315	2	-13.0
420	1386	357	0	-12.9
400	1320	10	4	-13.0
380	1254	20	2	-13.0
360	1188	26	2	-13.0
340	1122	11	6	-12.0
320	1056	7	5	-12.3
300	990	7	12	-12.3
280	924	12	9	-12.0
260	858	6	10	-11.0
240	792	12	11	-11.0
220	726	3	11	-11.7
200	660	359	10	-9.0
180	594	350	0	-11.6
160	528	354	6	-11.0
140	462	354	4	-12.3
120	396	331	0	-14.0
100	330	316	0	-14.1
80	264	331	0	-13.9
60	198	326	0	-13.0
40	132	269	5	-13.4
2	0	269	1	-12.9



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

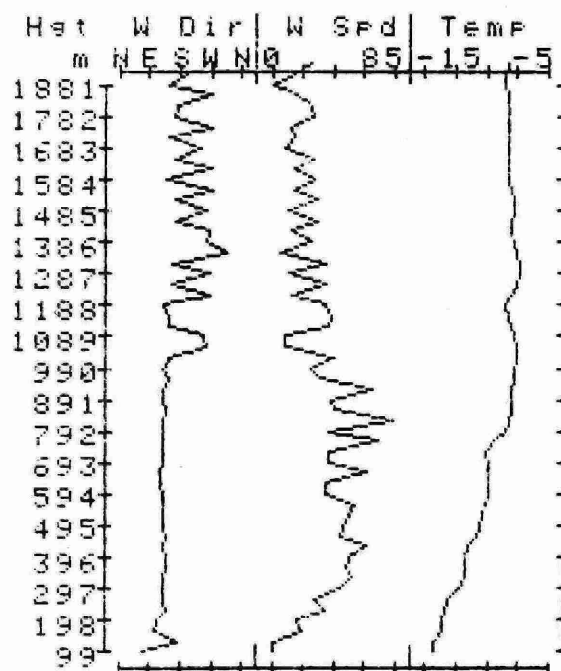
+++ THEODOLITE REPORT +++

File: bari20
 Name: barri20
 Loc: conc#6 & hwy400
 Met:
 altostratus light northerly wind
 S
 B/L: 50 m, 115 deg
 Elev: 240 m
 Temp: -14.097 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
560	1848	185	5	-8.5
540	1782	209	11	-8.3
520	1716	198	12	-8.3
500	1650	182	5	-8.3
480	1584	199	11	-8.2
460	1518	174	7	-8.1
440	1452	186	13	-7.8
420	1386	191	11	-7.9
400	1320	268	13	-7.7
380	1254	179	14	-7.3
360	1188	177	14	-7.4
340	1122	141	38	-8.4
320	1056	166	17	-7.9
300	990	164	17	-7.5
280	924	140	29	-7.7
260	858	129	59	-8.0
240	792	133	63	-8.0
220	726	129	57	-8.5
200	660	129	38	-10.0
180	594	123	52	-9.9
160	528	130	47	-9.9
140	462	128	51	-10.4
120	396	133	56	-10.9
100	330	134	52	-11.7
80	264	131	50	-11.6
60	198	133	33	-13.2
40	132	106	19	-13.7
20	66	81	0	-14.3

+++ THEODOLITE PLOT +++

File: bari20
 Name: barri20
 Loc: conc#6 & hwy400
 Met:
 altostratus light northerly wind
 S
 B/L: 50 m, 115 deg
 Elev: 240 m
 Temp: -14.097 degC
 Scan: 10 sec



BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

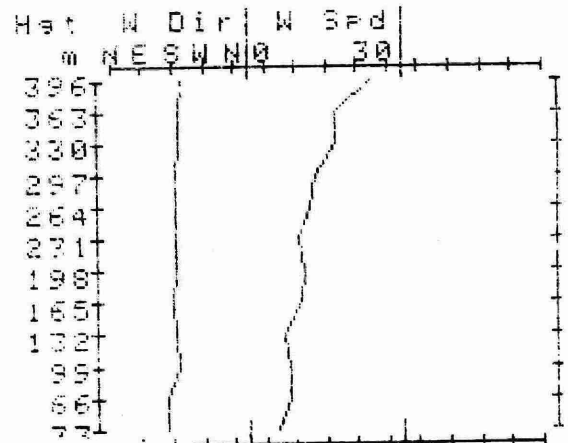
+++ THEODOLITE REPORT +++

File: bari21
 Name: Bari21
 Loc: 400 @ conc #6
 Met: clear and light sw
 B/L: 50 m, 118 deg
 Elev: 240 m
 Temp: .85812 deaC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
120	396	263	26	0.0
110	363	199	17	0.0
100	330	198	17	0.0
90	297	198	12	0.0
80	264	187	11	0.0
70	231	185	8	0.0
60	198	189	9	0.0
50	165	180	9	0.0
40	132	186	4	0.0
30	99	184	6	0.0
20	66	186	6	0.0
10	33	183	6	0.0

+++ THEODOLITE PLOT +++

File: bari21
 Name: Bari21
 Loc: 400 @ conc #6
 Met: clear and light sw
 B/L: 50 m, 118 deg
 Elev: 240 m
 Temp: .85812 deaC
 Scan: 10 sec



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

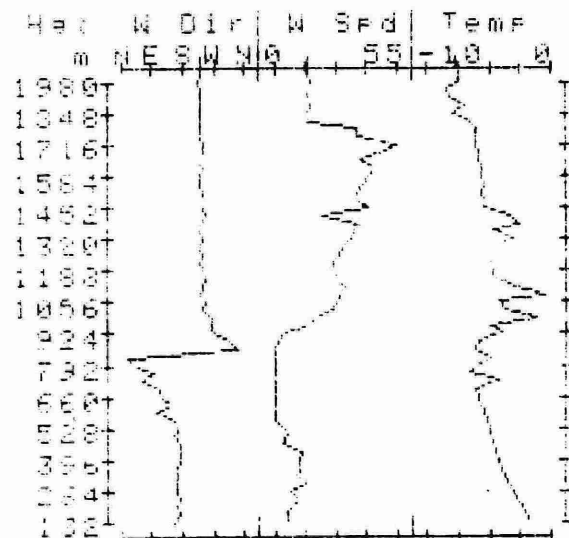
+++ THEODOLITE REPORT +++

File bari22
 Name: Bari22
 Loc: 400 & conc 6
 Met: altstr
 B/L: 30 m 85 deg
 Elev: 240 m
 Temp: -1.0616 degC
 Scan: 10 sec

+++ THEODOLITE PLOT +++

File bari22
 Name: Bari22
 Loc: 400 & conc 6
 Met: altstr
 B/L: 30 m 85 deg
 Elev: 240 m
 Temp: -1.0616 degC
 Scan: 10 sec

TIME	HEIGHT	W-DIR	W-SPD	TEMP
1000	1000	1000	1000	1000
1001	1001	1001	1001	1001
1002	1002	1002	1002	1002
1003	1003	1003	1003	1003
1004	1004	1004	1004	1004
1005	1005	1005	1005	1005
1006	1006	1006	1006	1006
1007	1007	1007	1007	1007
1008	1008	1008	1008	1008
1009	1009	1009	1009	1009
1010	1010	1010	1010	1010
1011	1011	1011	1011	1011
1012	1012	1012	1012	1012
1013	1013	1013	1013	1013
1014	1014	1014	1014	1014
1015	1015	1015	1015	1015
1016	1016	1016	1016	1016
1017	1017	1017	1017	1017
1018	1018	1018	1018	1018
1019	1019	1019	1019	1019
1020	1020	1020	1020	1020
1021	1021	1021	1021	1021
1022	1022	1022	1022	1022
1023	1023	1023	1023	1023
1024	1024	1024	1024	1024
1025	1025	1025	1025	1025
1026	1026	1026	1026	1026
1027	1027	1027	1027	1027
1028	1028	1028	1028	1028
1029	1029	1029	1029	1029
1030	1030	1030	1030	1030
1031	1031	1031	1031	1031
1032	1032	1032	1032	1032
1033	1033	1033	1033	1033
1034	1034	1034	1034	1034
1035	1035	1035	1035	1035
1036	1036	1036	1036	1036
1037	1037	1037	1037	1037
1038	1038	1038	1038	1038
1039	1039	1039	1039	1039
1040	1040	1040	1040	1040
1041	1041	1041	1041	1041
1042	1042	1042	1042	1042
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1045	1045	1045	1045	1045
1046	1046	1046	1046	1046
1047	1047	1047	1047	1047
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1076	1076	1076	1076	1076
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1080	1080	1080	1080	1080
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1092	1092	1092	1092	1092
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1094	1094	1094	1094	1094
1095	1095	1095	1095	1095
1096	1096	1096	1096	1096
1097	1097	1097	1097	1097
1098	1098	1098	1098	1098
1099	1099	1099	1099	1099
1100	1100	1100	1100	1100



BARRIE DERAILMENT

Minisonde Releases - Upper Air Soundings

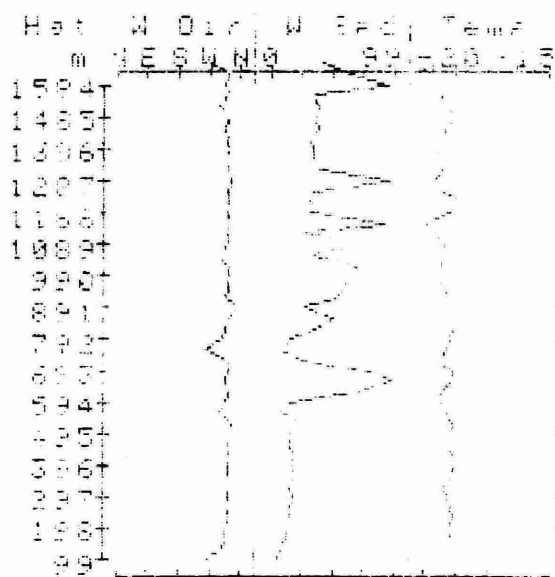
+++ THEODOLITE REPORT +++

File: DR#1
 Name: bar123
 Loc: Hwy #400 @ Conc #6
 Met:
 clear sunny light westerly wds
 B/L: 50 m, 218 deg
 Elev: 240 m
 Temp: -18.986 degC
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SF	TEMP
480	1584	311	76	-19.7
460	1518	315	99	-19.6
440	1452	310	56	-19.2
420	1386	320	54	-19.3
400	1320	323	52	-19.6
380	1254	328	103	-19.3
360	1188	322	51	-19.3
340	1122	326	98	-19.0
320	1056	322	76	-19.6
300	990	320	78	-19.3
280	924	321	84	-19.0
260	858	327	60	-18.9
240	792	321	66	-19.6
220	726	286	15	-19.0
200	660	324	79	-19.5
180	594	321	130	-18.8
160	528	311	17	-19.3
140	462	330	27	-18.9
120	396	323	24	-19.1
100	330	323	27	-19.0
80	264	325	25	-19.2
60	198	323	23	-19.0
40	132	319	20	-19.2
20	66	289	11	-18.5

+++ THEODOLITE PLOT +++

File: DR#1
 Name: bar123
 Loc: Hwy #400 @ Conc #6
 Met:
 clear sunny light westerly wds
 B/L: 50 m, 218 deg
 Elev: 240 m
 Temp: -18.986 degC
 Scan: 10 sec



BARRIE DERAILEMENT

Minisonde Releases - Upper Air Soundings

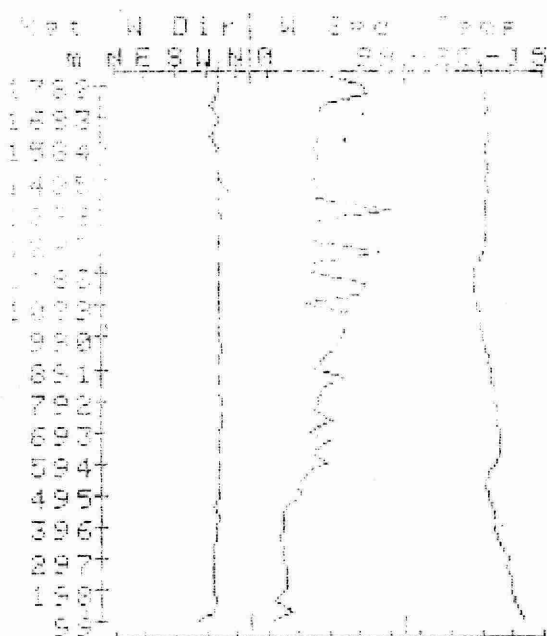
+++ THEODOLITE REPORT +++

File: DR#2
 Name: Bar124
 Loc: Barriere lot @ conc#6
 Ret: clear light NW winds
 B/L: 20 m. 280 deg
 Elev: 240 m
 Temp: -14.414 deec
 Scan: 10 sec

TIME	HEIGHT	W-DI	W-SP	TEMP
540	1700	306	46	-20.8
520	1716	300	60	-19.8
500	1650	304	40	-19.5
480	1604	304	40	-19.5
460	1510	308	41	-19.6
440	1452	307	40	-19.5
420	1386	310	40	-19.5
400	1300	310	30	-19.6
380	1254	306	30	-19.7
360	1180	311	66	-19.9
340	1122	305	60	-20.0
320	1056	306	56	-20.0
300	990	306	71	-20.0
280	924	309	61	-19.9
260	850	310	44	-19.5
240	792	311	55	-19.1
220	725	315	40	-19.9
200	660	312	44	-19.6
180	594	300	46	-19.5
160	520	306	43	-19.0
140	462	304	27	-19.5
120	396	298	14	-19.2
100	320	290	12	-19.0
80	254	293	14	-19.4
60	190	288	16	-17.9
40	132	297	10	-17.5
20	66	291	12	-16.9

+++ THEODOLITE PLOT +++

File: DR#2
 Name: Bar124
 Loc: Barriere lot @ conc#6
 Ret: clear light NW winds
 B/L: 20 m. 280 deg
 Elev: 240 m
 Temp: -14.414 deec
 Scan: 10 sec





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